

Mary B. Jenkins.

WELLESLEY COLLEGE
CALENDAR



1905-1906



WELLESLEY COLLEGE CALENDAR



1905-1906

CORRESPONDENCE

All inquiries regarding admission (including admission to graduate courses) should be addressed to Miss ELLEN F. PENDLETON, Dean of the College.

Applications for general information should be addressed to Miss MARY CASWELL. As Secretary of the Teachers' Registry, Miss CASWELL is also prepared to furnish full and confidential information in regard to the qualifications, character, and experience of teachers educated at Wellesley. Former students of the College who wish situations as teachers have the aid of the Teachers' Registry.

Applications for pecuniary assistance (see p. 136) should be made by letter addressed to the Secretary of the Students' Aid Society, Wellesley, Mass.

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1905

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1907

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CALENDAR

The academic year consists of thirty-four weeks exclusive of vacations and of the week devoted to entrance examinations. Commencement Day falls on the Tuesday preceding the last Wednesday in June. The academic year begins on the fourteenth Tuesday after Commencement.

1905.

Examinations September 26-29.
College dormitories open . . . 9 A. M. Friday, September 29.
Registration closes for all students at 1 P. M. Saturday, September 30.
Academic year begins . . . Tuesday, October 3.
Recess from 12.30 P. M. Wednesday, November 29, until 12.30
P. M. Friday, December 1.
Recess from 12.30 P. M. Thursday, December 21, 1905, until
1 P. M. Wednesday, January 10, 1906.

1906.

Registration closes for all students at 1 P. M. Wednesday, January 10.
Second Semester begins . . . Monday, February 19.
Recess from 12.30 P. M. Friday, March 30, until 1 P. M. Tues-
day, April 10.
Registration closes for all students at 1 P. M. Tuesday, April 10.
COMMENCEMENT Tuesday, June 26.
ALUMNÆ DAY Wednesday, June 27.
Examinations September 25-28.
College dormitories open . . . 9 A. M. Friday, September 28.
Registration closes . . . 1 P. M. Saturday, September 29.
Academic year begins . . . Tuesday, October 2.
Recess from 12.30 P. M. Wednesday, November 28, until 12.30
P. M. Friday, November 30.
Recess from 12.30 P. M. Thursday, December 20, 1906, until
1 P. M. Wednesday, January 9, 1907.

1907.

Registration closes for all students at 1 P. M. Wednesday, Jan-
uary 9.
Second Semester begins . . . Monday, February 18.
Recess from 12.30 P. M. Friday, March 29, until 1 P. M. Tues-
day, April 9.
Registration closes for all students at 1 P. M. Tuesday, April 9.
COMMENCEMENT Tuesday, June 25.
ALUMNÆ DAY Wednesday, June 26.

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† Abroad for the sabbatical year.

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COMMITTEE ON ADMISSION TO ADVANCED STANDING.—Dean Pendleton (*Chairman*); Associate Professor Hart; Professor Kendall.

WELLESLEY COLLEGE

Wellesley, Massachusetts

FOUNDATION AND PURPOSE

WELLESLEY COLLEGE was established for the purpose of furnishing to young women who desire to obtain a liberal education such advantages and facilities as are enjoyed in institutions of the highest grade. The first building of the College, erected and equipped under the supervision and through the personal means of the founder, was opened to students in 1875, with the announced purpose "of giving to young women opportunities for education equivalent to those usually provided in colleges for young men." Throughout his work the founder aimed to put into visible form his ideal of the higher education for women, "the supreme development and unfolding of every power and faculty."

By the charter, granted by the Commonwealth of Massachusetts, "the corporation of Wellesley College is authorized to grant such honorary testimonials, and confer such honors, degrees, and diplomas, as are granted or conferred by any University, College, or Seminary of learning in this Commonwealth; and the diplomas so granted shall entitle the possessors to the immunities and privileges allowed, by usage or statute, to the possessors of like diplomas from any University, College, or Seminary of learning in this Commonwealth."

In accordance with the spirit of the founder, the College is undenominational, but distinctively Christian in its influence, discipline, and instruction.

The members of the College meet daily for morning prayers in the beautiful chapel presented in 1899 by Miss Elizabeth G.

Houghton and Mr. Clement S. Houghton, as a memorial to their father. Services on Sunday are conducted in this chapel by preachers of different denominations. At all these services and at vespers on Sunday, the singing is led by a trained choir of students under the direction of the professor of music.

The Wellesley College Christian Association, organized to promote religious life, to arouse an intelligent interest in social reforms, and to foster interest in home and foreign missions, meets weekly for prayer and religious instruction in the chapel given by the founder of the College.

The department of Biblical History affords the systematic study of the Bible required of all students.

ADMISSION

ADMISSION TO THE FRESHMAN CLASS

Students are admitted either by examination (see pages 25 to 27) or by certificate (see pages 27 to 29).

Every candidate for a degree must offer for admission to the freshman class the following subjects: English, History, Algebra, Plane Geometry, Latin, and in addition the maximum requirement in a second language (which may be either Greek, or French, or German), together with the minimum requirement in a third language, or in Chemistry or in Physics. For full details regarding requirements in these subjects see pages 29 to 38.

The subjects prescribed for admission are divided into three groups, A, B, C, as follows:—

Group A. History, Plane Geometry, Cæsar, Cicero, Vergil and Prosody, Greek Grammar, Anabasis, Iliad, German maximum requirement (except prose composition and the use of the spoken language), French maximum requirement (except prose composition and the use of the spoken language).

Group B. Chemistry and Physics.

Group C. English (Composition and Literature), Algebra, Latin Prose Composition, Greek Prose Composition, French (prose composition and the use of the spoken language of the maximum requirement), German (prose composition and the use of the spoken language of the maximum requirement), Greek, French, and German minimum requirements.

Final examinations in subjects of *Group A* may be taken at any time during the college preparatory course. Final examinations in subjects of *Group B* must be taken not earlier than fifteen months before entrance in September. Final examinations in subjects of *Group C* must be taken not earlier than

during the school year immediately preceding admission to college.

☞ The above applies to final examinations held by principals of schools, preliminary to granting certificates, as well as to the admission examinations.

Candidates will not be admitted if conditioned in two, or if heavily conditioned in one, of the following subjects: Latin, Greek, French, German, Mathematics, Chemistry, Physics.

A candidate for admission must be at least sixteen years of age, and must present satisfactory evidence of good moral character and good health. A blank form for the certificate of health will be sent to all registered applicants for admission.

The student who has met all entrance requirements is qualified for immediate matriculation for the Baccalaureate degree in Arts.

All communications concerning admission should be addressed to the Dean of Wellesley College, Wellesley, Mass.

ADMISSION BY EXAMINATION

JUNE EXAMINATIONS

Candidates who propose to enter by examination must take all examinations in June, except such as, by permission, may be postponed until September.

The entrance examinations conducted at Wellesley College in June are the examinations of the College Entrance Examination Board, of which Wellesley College is a member. These examinations will be held June 18-23, 1906.

In order to meet the requirements for admission to Wellesley College, candidates must pass examinations in the following subjects, as defined in the Documents issued by this Board :—

English : a, b.

History * : a, or c, or d.

Mathematics : a (i, ii), c.

Latin : a, l, b, c, m, and d or g.

Maximum Second Language :

Greek : a, f, b, g, c and h ;

or

French : a, b ;

or

German : a, b.

Minimum Third Language or Science :

French : a ;

or

German : a ;

or

Chemistry ;

or

Physics.

All applications for examination, and all other inquiries, must be addressed to the College Entrance Examination

* Attention is called to the fact that the Board holds no separate examinations in Greek and Roman History. Applicants proposing to offer either Greek or Roman History alone should apply to the College for permission to postpone this examination until September.

Board, Post Office Sub-Station 84, New York, N. Y., and must be made upon a blank form to be obtained from the Secretary of the Board upon application.

A list of places at which the examinations are to be held in June, 1906, will be published about March 1st. In order that they may receive proper consideration, requests that the examinations be held at particular points should be transmitted to the Secretary of the Board not later than February 1st.

The applications of candidates for admission to examination at points in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River) must be received by the Secretary on or before Monday, June 4, 1906; applications for admission to examination elsewhere in the United States or in Canada must be received on or before Monday, May 28, 1906; and applications for examination at points outside the United States and Canada must be received on or before Monday, May 14, 1906.

Applications received later than the dates named will be accepted when it is possible to arrange for the examination of the candidates concerned, but only upon payment of five dollars in addition to the usual examination fee. Candidates filing belated applications do so at their own risk.

The examination fee is five dollars for all candidates examined at points in the United States and Canada, and fifteen dollars for all candidates examined at points outside of the United States and Canada.

SEPTEMBER EXAMINATIONS

Admission examinations are offered by the College in September as heretofore. In general these examinations are open to those candidates only who propose to enter the current September.

SCHEDULE OF EXAMINATIONS, SEPTEMBER 1906

TUESDAY, SEPTEMBER 25.

8.30-12.30 A. M.	English Composition and Literature.
2.00- 4.30 P. M.	French (minimum).
"	German (minimum).
"	Greek (minimum).

SCHEDULE OF EXAMINATIONS (Continued)

WEDNESDAY, SEPTEMBER 26.

8.30-10.30 A. M.	Algebra.
10.45-12.30	Plane Geometry.
1.30- 3.15 P. M.	Chemistry, Physics.
3.30- 5.30	History (American, English, Greek, Roman, Greek and Roman).

THURSDAY, SEPTEMBER 27.

8.30-10.00 A. M.	Cicero.
10.15-11.45	Latin Prose Composition.
2.00- 3.00 P. M.	Cæsar.
3.00- 4.30	Vergil.

FRIDAY, SEPTEMBER 28.

8.30-10.00 A. M.	Greek Grammar.
10.15-11.45	Greek Prose Composition.
8.30-12.00	German (maximum).
2.00- 3.00 P. M.	Anabasis.
3.00- 4.30	Iliad.
2.00- 5.30	French (maximum).

ADMISSION BY CERTIFICATE

Any school whose equipment and curriculum enable it to prepare students for the freshman class, upon complying with the regulations stated below, may receive the right to give a certificate of scholarship which shall exempt the candidate from college examinations for admission in the subjects satisfactorily covered by the certificate.

RIGHT OF CERTIFICATION

1. If a school has not the right of certification and the principal wishes to obtain this privilege, he should apply to the Dean of the College between October first and March first of any year. In response to this application a blank form will be sent, which the principal is requested to fill out and return, sending with it a catalogue or circular of the school. *Specimen laboratory notebooks* must be submitted before science courses will be approved.

During the interval between March first and October first applications for the right of certification will not be considered by the Board of Examiners.

2. The school is considered to be on probation during the first year of the first candidate. The right of certification may be withdrawn at any time from any school which fails to give complete and satisfactory preparation.

Wellesley College is a member of the New England College Entrance Certificate Board, and in accordance with the By-Laws and Rules of that Board all certificate privileges previously granted by the College expired by limitation January 1, 1904.

Any school in New England desiring a renewal of these certificate privileges must in accordance with the By-Laws and Rules of the Board apply to the Secretary, Prof. Nathaniel F. Davis, 159 Brown Street, Providence, R. I., before April first of the year in which it is proposed to make use of the privilege.

Schools outside of New England desiring a renewal of these certificate privileges must apply to the *Dean of the College* as heretofore. Such application must be made before *March first* of any year in order to secure the admission of candidates in the following September.

CERTIFICATE OF SCHOLARSHIP

1. After a school has received the right of certification, the principal must present, upon a blank form furnished by the College, a certificate of scholarship for each candidate.

2. All certificates and laboratory notebooks must be forwarded in time to be received at the College *by July first*. On or before August first each candidate will be informed of the decision with regard to her certificate. Certificates received *after July first* may be refused, and in any case the decision will be necessarily delayed to the great disadvantage of the candidate.

3. All certificates must show distinctly that the candidate has met in detail the requirements as published in the current Calendar. Whenever any variation has been allowed, the work done must be specifically stated and offered as an equivalent, to be accepted or refused. *Attention is called to the division of the admission subjects into Groups A, B, C, stated on pages 23 and 24, and to the fact that final examina-*

tions in the subjects of Groups B and C must be taken within a specified time of admission.

4. All certificates must be signed by the principal of the school, and countersigned by the assistants who have instructed the candidate.

5. Partial certificates from two accredited schools will not be accepted for the admission of a candidate, unless permission has been obtained from the Board of Examiners.

6. All work completed after July 1st must be tested by examination at the College in September. Certificates for such work will not be accepted.

7. The candidate who has received the certificate of a principal will not be exempt from the examinations for admission in any particular subject, unless her certificate shows that she has satisfactorily accomplished the full amount of work required in that subject. Any student whose certificate is found on July first to be seriously deficient, may be refused the privilege of taking examination the following September.

REQUIREMENTS FOR ADMISSION

1. ENGLISH

Composition.—The subjects for the examination in Composition will be taken from the English Literature required for the year. The form of the examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a number set before her in the examination paper in English Literature. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books.

To meet the requirement in Composition :—

A. There should be practice in writing equivalent to fortnightly themes the first two years, and weekly themes the last two years of the preparatory course. The subjects for themes should not be drawn chiefly from books. The student should be led, especially

for short themes, to choose her own subjects, based on daily experience and observation. No applicant will be accepted in English whose work is notably defective in point of spelling, punctuation, grammar, idiom, or paragraph structure.

B. There should be systematic study of Rhetoric made subservient to the work in Composition. Particular attention should be given to the structure of the sentence, paragraph and whole composition; to unity, emphasis, and coherence; to good use in words; and to the analysis and topical outlining of essays. The following books are recommended:—

Scott and Denney's *Composition-Rhetoric*; A. S. Hill's *Foundations of Rhetoric*, and as companion book, Huber Gray Buhler's *Practical Exercises in English*; Herrick and Damon's *Composition and Rhetoric*; Newcomer's *Rhetoric*; Carpenter's *Exercises in Rhetoric and Composition* (High School Course); Webster's *Literature and Composition*.

Literature.—The Wellesley requirement is that adopted by the Commission of New England Colleges.

A. Reading.

Certain books are set for reading. The candidate is required to present evidence of a general knowledge of the subject matter, and to answer simple questions on the lives of the authors.

The books set for this part of the examination are:—

In 1906, 1907, and 1908: Shakespeare's *Macbeth* and *The Merchant of Venice*; the *Sir Roger de Coverley Papers*; Irving's *Life of Goldsmith*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

B. Study and Practice.

This part of the examination presupposes the thorough study of each of the works named below. The ex-

amination will be upon subject matter, form, and structure.

The books set for this part of the examination are :—

In 1906, 1907, and 1908 ; Shakespeare's *Julius Cæsar* ; Milton's *L' Allegro*, *Il Penseroso*, *Comus*, and *Lycidas* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essay on Addison* and *Life of Johnson*.

NOTE.—In the Wellesley examination it is taken for granted that candidates will have learned by heart illustrative passages from all poems read. Books set in the requirements of previous years are satisfactory substitutes.

2. HISTORY

A full year course with at least three recitations per week in *one* of the following subjects :—

(1) The History of Greece to the death of Alexander, with due reference to Greek life, literature, and art.

(2) The History of Rome, the Republic and Empire, to the accession of Commodus.

(3) English History, with due regard to social and political development.

(4) American History, with the elements of Civil Government.

(5) Or as an alternative to any one of the courses described above, *one course in both Greek and Roman History may be offered*, provided the time given to this course is not less than one hundred and fifty recitations.

In the subject chosen, the student should acquire accurate knowledge of the history as presented in a standard text-book of not less than 300 pages, and should read such fuller authorities as may be available, in amount not less than 500 pages. Some practice in drawing maps to illustrate territorial changes, in making digests of lectures and reading, and in preparing verbal or written reports on

subjects assigned for individual investigation is essential to successful work.

Students presenting themselves for examination are expected to bring notebooks, maps, and essays, that may serve as supplementary evidence of the character of their preparation.

3. MATHEMATICS

Algebra—Factors, Common Divisors and Multiples, Ratio and Proportion, Theory of Exponents including Imaginaries, Radicals and Equations involving Radicals, Inequalities, Quadratic Equations (including the theory), Binomial Theorem, Arithmetic and Geometric Progressions.

Plane Geometry.—As found in Chauvenet, or its equivalent.

Deficiency in preparation usually results from one or more of the following causes: the use of text-books which are too elementary, insufficient time spent in preparation, neglect of exercises in original demonstration in Geometry, and of reviews in both Algebra and Geometry. One and one-third years, with daily recitations, is the shortest time in which satisfactory preparation can be made in Algebra, and one year with daily recitations is the minimum in Geometry. It is strongly urged that there be constant exercise in original demonstration in Geometry, with frequent written examinations in both Algebra and Geometry, the problems proposed being drawn from other sources than the text-books.

4. LATIN

Grammar, including Prosody.

Prose Composition.

The study of this subject should be continued through the course, and should include: (1) A *systematic study* of the main principles of Latin syntax. (In order to secure the thorough drill required, a standard text-book which gives such systematic study should be completed.) (2) The writing of at least forty connected passages based upon the Latin of Cæsar and Cicero.

Cæsar, *Gallie War*, four books.

Cicero, seven orations, or six if the *Manilian Law* be one.

Vergil, *Æneid*, six books.

Candidates must be prepared to translate at sight Latin of average difficulty, and to write in Latin connected passages based upon Cæsar and Cicero.

Equivalents are accepted, but verse is not accepted in place of prose, nor anything instead of the required translation of English into Latin.

The teachers of Latin in the preparatory schools are urged to insist upon the use of good English in translation.

Ability to read at sight easy French or German prose is of great advantage to all classical students.

The study of Greek is strongly recommended to candidates who plan to elect courses in Latin in college.

5. GREEK

Maximum Requirement

Grammar. *The etymology must be thoroughly mastered.*

Prose Composition. At least forty written exercises based upon the Greek of Xenophon, including connected passages and accompanied by a systematic study of the main principles of syntax.

Xenophon, *Anabasis*, three books.

Homer, *Iliad*, three books ; with scansion.

Candidates must be prepared to translate at sight both Attic and Homeric Greek of average difficulty, and to write in Greek a connected passage based upon Xenophon.

Particular attention should be given to the correct writing of Greek with the accents, to exercises both oral and written, and to the use of the blackboard for constant practice upon forms and constructions.

The preparation for the maximum requirement must cover a period of three years, with four or five recitations per week. If the preparation is made in less time, an examination in Prose Composition may be required.

The teachers of Greek in the preparatory schools are urged to insist upon the use of good English in translation.

Ability to read at sight easy French or German prose is of great advantage to all classical students.

Minimum Requirement

Systematic study of etymology from a standard grammar in connection with a book of First Lessons. *Anabasis*, about thirty pages. Practice in writing Greek.

This work requires at least one year, with five recitations per week. This preparation admits the student to course 14 in College, and these two courses complete the preparation for course 1 (see page 80).

6. FRENCH

Minimum Requirement

The preparation for this requirement should comprise:—

- (1) Careful drill in pronunciation.
- (2) The rudiments of grammar, including the inflection of the regular and the more common irregular verbs, of nouns, adjectives, participles, and pronouns; the simpler uses of the conditional and subjunctive, the elementary rules in syntax, and their application in the construction of sentences.
- (3) Abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression.
- (4) Writing French from dictation.
- (5) The reading of 300 duodecimo pages of graduated texts from at least three different authors, with constant practice in translating into French easy variations upon the texts read, and in reproducing from memory sentences previously read.
- (6) Frequent abstracts, sometimes oral and sometimes written, of portions of the text already read.
- (7) Training from the outset to understand French, both when spoken and read aloud, and to answer ordinary questions in that language.

If the time given to the preparation is less than one year with five recitations a week, an examination will be required.

Maximum Requirement

To meet the maximum requirement in French, the candidate must present the whole minimum requirement as given above and in addition the following :—

- (1) A thorough, practical knowledge of grammar.
- (2) Ability to translate connected paragraphs based on standard authors into simple idiomatic French.
- (3) Ability to read any ordinary French whatsoever.
- (4) Ability to understand a lecture given in French, and to answer questions in the same language.
- (5) The reading of a thousand* duodecimo pages (that is, seven hundred pages in addition to the amount prescribed for the minimum requirement) from at least four authors, as indicated below.

These results may be obtained by an exhaustive study of any good grammar ; by translation from English into French ; by paraphrasing texts read or by direct composition in French, together with critical reading of texts. It is particularly urged that these texts be chosen from nineteenth century writers of prose, verse, and drama, and if possible from more than four authors.

In order to secure the desired results, the main emphasis should be laid on the correct use of the spoken language in the class room, on the correct reading of French (apart from translation) and on prose composition, including the writing of short themes in French.

The preparation for the maximum requirement must cover a period of three years, with four or five recitations a week. If the preparation is made in less time, an examination will be required.

The texts suggested for reading are :—

(1) For minimum requirement : Laboulaye : *Contes bleus* ; Daudet : *Trois contes choisis* ; France : *Abeillé* ; Malot : *Sans Famille* ; de la Brète : *Mon Oncle et Mon Curé* ; Enault : *Le Chien du Capitaine* ; Legouvé et Labiche : *La Cigale chez les Fourmis*.

* This is an increase of 200 pages. While it is hoped that candidates entering in September 1906 will be able to offer this amount, it will not be *required* until September 1907.

(2) For maximum requirement : Lamartine : *Scènes de la Révolution française* ; Vigny : *La Canne de Jonc* ; Daudet : *Choix d'Extraits* or *Le Petit Chose* ; Maupassant : *Huit Contes Choisis* ; Renan : *Souvenirs d'Enfance et de Jeunesse* ; About : *Le Roi des Montagnes* ; Balzac : *Le Curé de Tours* ; Colin : *Contes et Saynètes* (Ginn & Co.) ; Colin : *Advanced Sight Translation* ; Sandeau : *Mlle de la Seiglière* ; Scribe et Legouvé : *Bataille de Dames* ; Angier : *Le Gendre de M. Poirier*. The editions recommended are those published by D. C. Heath & Co., except *Contes et Saynètes*.

7. GERMAN

Minimum Requirement

The preparation for this requirement should comprise :—

(1) A distinct German pronunciation which should be acquired at the outset by a drill in phonetics.

(2) Drill upon the rudiments of grammar ; that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, adjectives, pronouns, weak verbs, and the more usual strong verbs ; also upon the use of the more common prepositions, of the modal auxiliary, and of the elementary rules of syntax and word order. This drill upon the rudiments of grammar should be directed to the ends of enabling the pupil (1) to use his knowledge with facility in the formation of sentences, and (2) to state his knowledge correctly in the technical language of grammar.

(3) Abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the oral and written reproduction of natural forms of expression. These exercises should include practice in the translation into German of easy variations upon the matter read.

(4) Mastery of a vocabulary sufficient to understand and answer in German, simple questions upon the texts read.

(5) The reading of about 200 pages of graduated texts.

(6) Ability to read and write German script. This is not

an absolute requirement, but students are strongly advised to become familiar with the German script at the outset.

If the time given to the preparation is less than one year, with five recitations per week, an examination will be required.

Maximum Requirement

To meet the maximum requirement in German the candidate must present *the whole minimum requirement* as given above, *and in addition* the following:—

(1) An accurate knowledge of more advanced grammar, *i. e.*, of the less usual strong verbs, the principal uses of prepositions and conjunctions, the elements of word formation, the essentials of German syntax, the uses of modal auxiliaries, of the subjunctive and infinitive moods.


(2) Ability to speak correctly and idiomatically in German upon simple topics, and to understand the German spoken in the class room.

(3) Proficiency in paraphrasing, in *freie Reproduktion*, in writing of themes based on the works read.

(4) Ability to translate offhand simple texts, especially from English into German.

(5) The reading of at least five hundred pages of classical and contemporaneous authors in addition to the amount for the minimum requirement.

(6) Knowledge of a number of choice lyric poems to be selected from the Volkslieder and from Goethe's lyrics especially.

 The desired results are *not* obtained if the main emphasis in the work is laid on translation from German into English instead of emphasizing the use of the spoken language in the class room, prose composition and *freie Reproduktion*.

The preparation for the maximum requirement must cover a period of three years, with four or five recitations per week. If the preparation is made in less time an examination will be required.

8. CHEMISTRY

The requirement is met by the course outlined in the Report of the College Entrance Examination Board, *Document No. 20 or 25*.

The preparation in Chemistry should cover at least one year, five recitations per week. Experiments should be done by the student in the laboratory to illustrate the properties of the most important elements, both metallic and non-metallic, and their compounds, and it is strongly recommended that a few of these experiments should be of a quantitative nature.

In addition to an examination or certificate of examination, the student will be required to present notebooks of laboratory work. These notebooks must bear the indorsement of the teacher, certifying that the notes are a true record of the student's work, and must be presented with the certificate on or before July 1st, or at the time of the examination. In case the notebook is lacking or inadequate, a laboratory test will be given.

9. PHYSICS

The requirement is met by the course outlined in the Report of the College Entrance Examination Board, *Document No. 20 or 25*. Preparation in Physics should cover at least one year, with five recitations per week. In addition to an examination, or a certificate of examination, the student will be required to present notebooks of laboratory work. These notebooks must be *indexed* and bear the indorsement of the teacher, certifying that the notes are a true record of the student's work, and they must be presented with the certificate on or before July 1st or at the time of the examination.

ADMISSION TO ADVANCED STANDING

Candidates for advanced standing must fulfill the requirements for admission to the freshman class, and must also be prepared to be examined in the required studies previously

pursued by the class which they wish to join, and in a sufficient number of electives to give full standing with that class.

Such candidates, if they come from other colleges, may present certificates of college work, but should clearly understand that these do not necessarily exempt them from examinations.

Each candidate should apply for a statement of the credentials which she will need to present.

Candidates for advanced standing whose applications are filed *before April 1st* of the year in which they propose to enter, and whose credentials admit them *to junior or higher rank*, will take precedence of candidates for the freshman class in the assignment of rooms.

All correspondence should be addressed to the Dean of the College.

ADMISSION OF STUDENTS NOT CANDIDATES FOR A DEGREE

Opportunities for special study are offered to students who are not candidates for a degree, but are qualified to undertake college work.

Applicants who give satisfactory evidence of ability to pursue advanced courses of study may be admitted at the discretion of the Board of Examiners, provided that they satisfy the requirements of the departments which they propose to enter. It will be noted that opportunities of prosecuting work along special lines are thus open to persons of experience and success in teaching who possess the requisite qualifications for admission to college classes.

Applicants of less maturity and acquirement are not ordinarily admitted, but if such desire admission they must expect to meet, by examination or by certificate from an accredited school, the requirements prescribed for admission to the freshman class, or a full equivalent for them, and to satisfy such additional requirements as are prescribed by the departments which they propose to enter.

All courses, graduate as well as undergraduate, are open to special students, subject to the conditions stated by the various departments ; but every such student is expected to choose a primary subject to which she should devote the greater part of her time. A student who creditably completes a prescribed group of courses will be granted a certificate.

As the capacity of dormitories is not sufficient for candidates for degrees, special students cannot be lodged in the college buildings. Comfortable homes may be found in the village at about the same expense as in college dormitories.

Application for admission as a special student, with all required certificates, should be sent to the College before the first of July. All correspondence should be addressed to the Dean of the College.

COURSES OF INSTRUCTION

The following Courses of Instruction are offered by the several departments. The College reserves the right to withdraw the offer of any course not chosen by at least six students.

ART

PROFESSOR : ¶ ALICE VAN VECHTEN BROWN.

INSTRUCTORS : HENRY CUTTER HOLT, CHARLES HERBERT WOODBURY, B.S.,
BERT HODGE HILL, M.A., EDITH HARRIET MOORE, B.A.,
EDITH ROSE ABBOT.

LECTURER : HARRY HUNTINGTON POWERS, PH.D.

- † 1. History of Architecture. From the earliest times to the year 1000 A. D.

Open to seniors without prerequisite, and to other students who have completed either course 12 or 13. Three hours a week for a year.

Mr. Holt, Miss Moore.

The aim of this course is to give a general view of the development of styles and a thorough understanding of their essential elements, both constructive and decorative, during the period studied.

First semester, ancient and classic styles. Second semester, early Christian, Byzantine, and Mohammedan styles, with a summary of Romanesque and Gothic.

Text-book : *History of Architecture*, by A. D. F. Hamlin.

2. Outline History of Greek Sculpture.

Open to seniors without prerequisite, and to other students who have completed either course 12 or 13. Three hours a week for a year.

Mr. Hill.

Text-book : *Handbook of Greek Sculpture*, by Ernest A. Gardner. In this course the great periods will be the main subject of study; and more stress will be laid on the spirit of Greek Art than upon archæological details.

‡ Courses 1 and 9, and 3 and 10, are alternate courses; they will not both be given in the same year.

¶ Absent on leave.

‡ 3. History of Italian Painting through the Fifteenth Century.

Open to seniors without prerequisite, and to other students who have completed either course 12 or 13. Three hours a week for a year.

Miss Abbot.

† 7. History of Greek Sculpture. Seminary.

Open to graduates and seniors who have completed Art 2 or its equivalent. Three hours a week for a year.

Mr. Hill.

In this course one limited period of Greek sculpture will be carefully studied.

Subject for 1905-1906: The Fifth and Early Fourth Centuries B. C.

The work will be carried on in the Museum of Fine Arts in Boston, with especial study of originals.

All must read in preparation *Handbook of Greek Sculpture*, by Ernest A. Gardner.

* 8. History of Italian Painting. Seminary.

Open to graduates and seniors who have completed Art 3 or 10, and to others by permission of the instructor. Three hours a week for a year.

The aim of this course is to study a given epoch in detail, and to train students for independent work. In preparation for this course an acquaintance with the outline of the history of Italian painting is required.

* Not offered in 1905-1906.

† Withdrawn for the current year.

‡ Courses 1 and 9, and 3 and 10, are alternate courses; they will not both be given in the same year.

- * † 9. History of Architecture from the year 1000 to the present time.

Open to seniors without prerequisite, and to other students who have completed either course 12 or 13. Three hours a week for a year.

Mr. Holt.

The aim of this course is to give a general view of the development of styles and a thorough understanding of their essential elements, both constructive and decorative, during the period studied.

- * † 10. History of Italian Painting during the High Renaissance.

Open to seniors without prerequisite, and to other students who have completed either course 12 or 13. Three hours a week for a year.

In this course critical study will be given to the position and quality of the artists, as well as to the characteristics and relations of the different schools. Critical and artistic study of photographs is required, and an understanding of the methods used by Crowe and Cavalcaselle, Berenson, Morelli, and other critics.

§ 12. Elementary Course.

Open to freshmen only. Four hours a week for a year. No prerequisites.

Miss Abbot.

Designed for freshmen who enter college with the intention of specializing in Art. This course is a combination of history and practice, and will include an introductory study of the History of Architecture, Sculpture, and Paint-

* Not offered in 1905-1906.

‡ Courses 1 and 9, and 3 and 10, are alternate courses; they will not both be given in the same year.

§ Either Art 12 or Art 13 is a prerequisite to further election for all students except seniors.

ing, illustrated by sketching from photographs, and by practical studio work in drawing, composition, and modeling in clay. It will be conducted by the scientific method of laboratory observation and practice. No other work may be substituted for the laboratory practice.

§ 13. Introductory Course.

Open to sophomores, juniors, and seniors. Three hours a week for a year. No prerequisites.

Mr. Powers, Miss Moore.

This course furnishes an outline of the general development of styles in Architecture, Sculpture, and Painting.

Its method of constant laboratory work leads directly into the methods of the more advanced courses in the department.

This course is complete in itself, but it may be taken in preparation for other courses.

This course is not open to students who have taken or are taking any other history course in the Art Department.

Text-book: Reinach's *Story of Art Throughout the Ages*.

5. Studio Practice.

Open to sophomores, juniors, and seniors. No prerequisites. One hour a week for a year.

Miss Moore.

Drawing and sketching.

14. Studio Practice.

Open by permission of the instructor to students who are taking or have completed Art 5. One hour a week for a year.

Fall Term, Miss Abbot.

Winter and Spring Terms, Mr. Woodbury.

Drawing and color work.

§ Either Art 12 or Art 13 is a prerequisite to further election for all students except seniors.

15. Studio Practice.

Open by permission of the instructor to students who are taking or have completed Art 14. One hour a week for a year.

Fall Term, Miss Abbot.

Winter and Spring Terms, Mr. Woodbury.

Drawing and color work.

† 16. Studio Practice.

Open by permission of the instructor to juniors and seniors who have completed course 5. Two hours a week for a year.

Fall Term, Miss Abbot.

Winter and Spring Terms, Mr. Woodbury.

Painting or drawing from life at the discretion of the instructor.

NOTE.—After one course in the History of Art has been completed, three hours of studio work as indicated in 5, 14, 15, 16, above, equivalent to nine hours of studio practice, may count toward the degree; *four hours of studio work*, equivalent to twelve hours of studio practice, may so count, if *six hours* in the History of Art have been completed.

Students in art courses are required to use laboratory methods, examining and comparing, sketching or describing, the photographs used in illustration.

Previous preparation in drawing is not required.

The art library is open to students from 9 to 5.30 daily, and from 7 to 9 in the evening.

N. B. Any student who desires to give yearly the time of one full course to studio work throughout her college course may do so by spending five years in college before taking her degree, instead of four.

† Withdrawn for the current year.

ASTRONOMY

PROFESSORS: SARAH FRANCES WHITING, D.SC., ELLEN HAYES, B.A.

ASSISTANT: EMMA REBECCA ELLIS, B.A.

1. Physical Astronomy.

Open to sophomores, juniors, and seniors who have had an elementary course in Physics. Three hours a week for a year.

Miss Whiting, Miss Ellis.

A general survey of present knowledge of the universe, and of the methods by which this knowledge has been obtained.

Special emphasis upon astrophysics. One third of the course consists of observation of the heavens with and without instruments, work with the spectroscope, with the ephemeris, charts, photographs.

2. Practical Astronomy.

Open to sophomores, juniors, and seniors. Three hours a week for a year.

Miss Hayes.

A general survey of Astronomy, with practice in the use of instruments for the determination of the position of a heavenly body; time, latitude.

3. Advanced Astronomy.

Open to students who have taken course 2 and who have taken or are taking course 1 in Applied Mathematics. Three hours a week for one semester.

Miss Hayes.

Text-books: Campbell's *Practical Astronomy*; Chauvenet's *Method of Least Squares*.

4. Theory of Orbits.

Open to students who have completed course 3. Three hours a week for the second semester.

Miss Hayes.

A continuation of course 3. The development of the theory of the parabolic orbit, concluding with the determination of one such orbit.

Courses 3 and 4 are accompanied by observatory work with the transit, clocks, chronograph, equatorial, conducted by Professor Whiting and Professor Hayes.

† 5. Advanced Observatory Work.

Primarily for graduate students who have had at least one year of Astronomy. Three hours a week for a year.

Miss Whiting.

Among subjects which receive different emphasis according to need, are photometric work, variable stars, study of the solar surface, use of micrometer.

BIBLICAL HISTORY, LITERATURE, AND INTERPRETATION

ASSOCIATE PROFESSORS: ADELAIDE IMOGENE LOCKE, B.A., S.T.B.,

†† CAROLINE MAY BREYFOGLE, B.A.; FOR GREEK TESTAMENT:

ANGIE CLARA CHAPIN, M.A., PROFESSOR OF GREEK.

INSTRUCTORS: ELIZA HALL KENDRICK, PH.D.,

REBECCA CORWIN, M.A., S.T.B.

ASSISTANT: KATRINE WHEELOCK, B.D.

I. Hebrew

† 1. Elementary Hebrew.

Open to juniors and seniors. Three hours a week for a year.

Miss Wheelock.

An inductive study of the elements of Hebrew and principles of syntax in connection with the text of the first few chapters of Genesis. Word lists, translation from the book of Ruth and other selected passages. Harper's *Introductory Hebrew Method*; Harper's *Hebrew Syntax*.

† Withdrawn for the current year.

†† Absent on leave.

II. Biblical History

The requirement in Biblical History for a degree is met by taking courses 1 or 10, and *one* of the following courses: 3, 4, 5, 6, 8.

1. Studies in Hebrew history from the settlement of Canaan to the Maccabean Period.

Required of sophomores. Two hours a week for a year.

Miss Locke, Miss Wheelock.

10. The Development of Thought in the Old Testament.

Open to sophomores. Three hours a week for a year.

Miss Kendrick.

It is the purpose of the course to offer (a) political and social studies in Hebrew History to the period of Judaism; (b) a survey of the development of thought in the Old Testament as shown in the prophetic, priestly, and wisdom literature.

This course counts as equivalent to Biblical History 1 and a one-hour elective.

3. The Historical Development of New Testament Thought.

Open to juniors and seniors. Two hours a week for a year.

Miss Corwin.

A course in general introduction to the New Testament writings, studying them in their historical setting and paying special attention to the development of their thought. Lectures, reading, and essays.

4. Life of Christ.

Open to juniors and seniors. Two hours a week for a year.

Miss Locke.

This course includes an outline study of the life of Christ—his land, people, and times,—and a special study of some of his teachings.

5. Greek Testament I. Life of Christ ; text study of the Gospels ; special study of the Gospel of St. John ; lectures.

Open to juniors and seniors who have completed course 1 of Classical Greek. Two hours a week for a year.

Miss Chapin.

- * 6. Greek Testament II. Studies in the life and literature of the Apostolic Age. Readings from the book of Acts, the Epistles, and the early extra-canonical literature in Greek.

Open to juniors and seniors who have completed course 1 of Classical Greek. Two hours a week for a year.

Miss Chapin.

- † 7. Sources of New Testament Greek in the Septuagint. Quotations from the Old Testament in the New ; lectures. Illustrative readings, chiefly from the Psalms in Greek.

Open to students who have completed Greek Testament I. One hour a week for a year.

Miss Chapin.

8. History of the Christian Church during the first century of the Christian Era.

Open to juniors and seniors. Two hours a week for a year.

Miss Kendrick.

A study of the life and growth of the early Church and of the lives and teachings of its leaders, with especial emphasis on the work of Paul. A rapid preliminary view of the condition of the Jewish and Roman world in the time of Jesus, and of the origin of Christianity. Given by lectures, readings from the literature of the first century, and the study of the book of Acts.

* Not offered in 1905-1906.

† Withdrawn for the current year.

9. History of Religions.

Open to seniors. Three hours a week for a year.

Miss Locke.

Introductory study of primitive religions; followed by an outline comparative study of the rise and development of the leading historic faiths.

Lectures, reports of special study, discussions.

11. The Synoptic Problem.

Open to students who are taking courses 3, 4, or 8. One hour a week for a year.

Miss Corwin.

This is a course in the study of Matthew, Mark, and Luke, with special endeavor to discover the sources of these Gospels, and the original basis of their dependence upon one another. Special emphasis is laid upon the words of Jesus with an attempt to discover the primary form of these works.

BOTANY

PROFESSOR: CLARA EATON CUMMINGS.

ASSOCIATE PROFESSOR: MARGARET CLAY FERGUSON, PH.D.

INSTRUCTORS: HENRY SAXTON ADAMS, B.A.S., MARY CAMPBELL BLISS, M.A.

ASSISTANTS: ELLA MAUD CIPPERLY, A.B., EMMELINE MOORE.

5. Plant Studies.

Open to freshmen and sophomores. Freshmen four hours, sophomores three hours a week for a year.

Miss Ferguson, Miss Cipperly, Miss Moore.

This course is designed to bring the student into sympathy with the plant world, to cultivate the power of careful observation, to give a knowledge of the fundamental principles of plant life and plant breeding, and of the general principles of Floriculture.

Lectures accompanied by studies in the laboratory and in the field. As a basis for acquaintance with the nature

and work of plants, the structure and development of certain plants will be studied from seed germination to fruit formation, and the more simple problems connected with the adjustment of plants to their surroundings will be investigated. Students will be trained to recognize the spring flowers, and to know our common trees both in their summer and in their winter condition. Student gardens will be a prominent feature of the course. On an average, one appointment each week will be spent out of doors, and excursions will be made to certain of the notable estates in the vicinity.

1. General Botany.

Open to sophomores, juniors, and seniors. Three hours a week for a year.

Miss Ferguson, Miss Bliss.

This course includes a general study of morphology, anatomy, classification, and ecology, with demonstration of the simpler laws of physiology. The interrelationship of the groups from the lowest Algæ and Fungi to the highest Phanerogams will be shown. Plants are studied as individuals and as members of plant societies. A plot of ground twenty feet square will be assigned to each student. The plants growing on these plots will be observed throughout the year, and at stated intervals reports based on an ecological, a structural, and a systematic study of the plants will be made, special emphasis being laid on the relation of structure to environment. Recitations, lectures, and demonstrations will be accompanied by parallel studies in the laboratory and field.

2. Cryptogamic Botany.

Open to students who have completed course 1. Three hours a week for a year.

Miss Cummings.

A study of the morphology, reproduction, and development of the lower forms of plant life.

In the autumn special attention is given to the study of mushrooms, both in field and laboratory, with reference to poisonous and edible forms. In the spring term the work is largely individual.

3. Systematic and Economic Botany.

Open to students who have completed course 1, and to other students upon advice of the professor. Three hours a week for a year.

Miss Cummings, Miss Cipperly.

This course includes a consideration of the special morphology, classification, and distribution of flowering plants. The fundamental principles of plant geography are studied in connection with the orders of plants. An important part of the course deals with the economic value of plant products. This work is conducted in the laboratory, field, and greenhouse.

7. Plant Cytology and Embryology.

Open to students who have completed courses 2 and 13, but in special cases may be taken by seniors and graduate students as a parallel study with course 13. Three (or six) hours a week for a year.

Miss Ferguson.

This course is designed to give familiarity with methods of research in plant morphology and cytology, and a thesis embodying the results of an original investigation will be required. Each student will be assigned a special problem in embryology, in experimental morphology, or in reference to the nuclear and cell phenomena attending sporogenesis, spermatogenesis, oogenesis and fertilization. This is primarily a laboratory course, but a definite appointment will be made with each student for one conference a week, at which conference the student will give a report of the papers read, and of the progress of her investigation.

† 8. Advanced Cryptogamic Botany. Systematic study of any chosen group or groups of Cryptogams.

Open to students who have completed course 2. Three hours a week for a year.

Miss Cummings.

† Withdrawn for the current year.

* 9. Trees and Forestry.

Open to students who have completed course 1. Three hours a week for a year.

The subjects studied in this course are forest botany and silviculture; the forests of the world, their value and the uses of their products; protection of woodlands and forest regulations. The work is conducted largely out of doors.

* 11. Plant Physiology.

Open to students who have taken course 10. Three hours a week for the second semester.

Miss Ferguson.

The lectures of this course take up in detail the more important problems of plant physiology, including nutrition, the effects of stimuli upon cell activities, growth, irritability, development, and reproduction. The laboratory study consists of experimental work in plant physiology. A knowledge of the elements of Physics and Chemistry is very desirable for this course.

12. General Horticulture and Elementary Landscape Gardening.

Open to students who have completed course 1. Three hours a week for a year.

Mr. Adams.

Lectures on the preparation of soils, propagation and cultivation of plants, including planting and pruning. A study of gardens, old and new, planting designs and school gardens, including a brief consideration of the plants used in practical planting.

The lectures will be supplemented by reading, work in the greenhouse, practice in making planting plans, practical work in field, and visits to gardens, nurseries, and estates in the vicinity.

13. Comparative Morphology, Embryology, and Histology.

Open to juniors and seniors who have completed course 1. Three hours a week for a year. Course 2 advised but not required as a prerequisite.

Miss Ferguson, Miss Bliss.

Preliminary studies of the structure, development and contents of the vegetable cell, nuclear and cell division, tissue formation. Especial emphasis will be given to tracing the development and homologies of sporogenous, reproductive, and embryological organs, and to the problems of evolution and inheritance. A number of permanent microscopic preparations will be made by each student as a means of becoming acquainted with the most approved methods in cytological and histological technique.

14. Botanical Seminary.

Open to graduate students, and to seniors by permission. One hour a week for a year.

Miss Ferguson.

Readings and discussions of current literature and reports of problems under investigation.

CHEMISTRY

PROFESSOR : ¶ CHARLOTTE FITCH ROBERTS, PH.D.

ASSOCIATE PROFESSOR : CHARLOTTE ALMIRA BRAGG, B.S.

INSTRUCTORS : FLORENCE JACKSON, M.A., GEORGE ARTHUR GOODELL, M.A.

1. General Chemistry. Lectures and laboratory work.

Open to all undergraduates. Freshmen four hours a week for a year; all other students three hours a week for a year.

Miss Jackson.

Course 1 is for beginners in Chemistry, and is intended to familiarize the student with the important properties of

¶ Absent on leave.

the elements—especially the non-metallic ones—and their compounds; with their modes of preparation, and with such tests as shall lead up to the study of systematic Qualitative Analysis; also to present the laws governing chemical reactions, the meaning of chemical equations, and the more recent theories adopted in the science.

2. Qualitative Analysis.

Open to students who have completed course 1. Three hours a week for the first semester.

Mr. Goodell.

This course supplements course 1 by presenting the properties and characteristic reactions of the metallic elements. Practical methods of separating and recognizing the elements present in simple mixtures are taught, and the progress of the student is constantly tested by the examination of simple substances, the exact composition of which is unknown to the student.

3. Organic Chemistry.

Open to students who have completed course 1. Three hours a week for the second semester.

Miss Bragg.

This course includes a somewhat careful study of the saturated series, dealing very briefly with the unsaturated and benzene series. Experiments are performed in the laboratory to illustrate the behavior of representative substances, and a limited number of preparations are made to familiarize the student with the more common processes of Organic Chemistry.

4. Advanced General Chemistry and Qualitative Analysis.

Open to freshmen who have met the admission requirement in Chemistry. Four hours a week for a year.

Mr. Goodell.

5. Quantitative Analysis.

*Open to students who have completed course 2 or 4.
Three hours a week for the second semester.*

Mr. Goodell.

In this course a few typical processes involving both volumetric and gravimetric methods are taught to illustrate the general principles of Quantitative Analysis.

6. Air, Water, and Food Analysis.

Open to students who have completed courses 1, 2 or 4, 3 or 7, and 5. Three hours a week for the first semester.

Miss Bragg.

7. Organic Chemistry, with laboratory work in organic preparations.

Open to students who have completed courses 1, 2 and 5, or 4. Three hours a week for a year.

Miss Bragg.

8. Theoretical Chemistry.

*Open to students who have completed course 3 or 7.
Three hours a week for the second semester.*

Miss Bragg.

* 9. Selected Subjects in Theoretical and Physical Chemistry, with laboratory work in the determination of vapor densities and molecular weights.

Open to seniors and graduates who have completed course 8. Three hours a week for a semester.

Miss Roberts.

10. Special Work in Organic Preparations, Problems of Food Analysis, or Advanced Analytical Chemistry—to be

* Not offered in 1905-1906.

arranged on consultation with the department.
Laboratory course principally.

Open to seniors and graduates. Three hours a week for a semester.

Mr. Goodell.

Courses 9 and 10 will not ordinarily be given the same year.

ECONOMICS AND SOCIOLOGY

PROFESSOR : KATHARINE COMAN, PH.B.

ASSOCIATE PROFESSOR : † EMILY GREENE BALCH, B.A.

INSTRUCTOR : JAMES ELBERT CUTLER, PH.D.

1. Elements of Economics.

Open to sophomores, juniors, and seniors ; to freshmen who receive permission from the head of the department. Three hours a week for the first semester.

Mr. Cutler.

An introductory course designed to give the student some acquaintance with economic facts and training in economic reasoning. Illustrations will be drawn from actual observation.

2. Industrial History of the United States.

Open to students who have completed two courses in Economics. Three hours a week for a year.

Miss Coman.

A study of our national development in its material and social aspects, accompanied by a critical review of economic legislation, commercial and financial.

† 3. Industrial History of England.

Open to students who have completed two courses in Economics. Three hours a week for the first semester.

Miss Coman.

A study of the evolution of industrial forms, more especially of villeinage, guilds, the domestic system, the factory system, and modern commerce.

† Withdrawn for the current year.

‡ Absent on leave.

4. Socialism.

Open to students who have completed two courses in Economics. Three hours a week for the first semester.

Miss Coman.

A study of socialist theories, "utopian" and "scientific," in their historical development, followed by the critical reading of Marx' *Capital* and the consideration of modern socialist propaganda.

* 5. Statistical Study of Certain Economic Problems.

Open to students who have completed two courses in Economics. Three hours a week for the second semester.

Miss Coman.

The course is introduced by lectures on the principles of statistical research. Each member of the class undertakes the investigation of a particular problem, and reports the results of her inquiry to the class. The graphic method of presenting statistical results is emphasized.

6. Social Economics I.

Open to juniors and seniors who have completed two courses in Economics. Three hours a week for the first semester.

Mr. Cutler.

A study of the delinquent, defective and dependent classes, accompanied by discussion of methods of dealing with each.

7. Social Economics II.

Open to juniors and seniors who have completed two courses in Economics. Three hours a week for the second semester.

Mr. Cutler.

A discussion of methods of meeting certain normal social needs, such as housing, sanitation, education, and recreation, accompanied by a critical discussion of the principles and actual boundaries of self-help and collective action.

* Not offered in 1905-1906.

† 8. The Modern Labor Problem.

Open to students who have completed two courses in Economics. Three hours a week for the second semester.

Mr. Cutler.

A study of the modern industrial system of wage labor as compared with earlier forms of production; of special difficulties, such as "sweating" and child labor, and of modifications, such as profit-sharing and co-operation, trade unionism and arbitration, factory laws, insurance, and "employers' welfare institutions." American experience will be dwelt upon in the main.

* 9. An Introduction to General Sociology.

Open to juniors and seniors who have completed two courses in Economics. Three hours a week for a year.

Miss Balch.

A study of facts and theories of social development, and more especially of the growth of institutions such as the family, the state, law and property.

A reading knowledge of French and German is desirable.

11. Business Methods and Business Law.

Open to all students. Three hours a week for the second semester.

Mr. Cutler.

This course is intended to train the student to deal intelligently with ordinary business situations.

12. Practical Problems in Economics.

Open to students who have completed course 1. Three hours a week for the second semester.

Miss Coman.

The subject for 1905-1906 is a study of contemporary industrial combinations with a view to estimating their good and evil effects, coupled with some discussion of legislation, state and national.

* Not offered in 1905-1906.

† Withdrawn for the current year.

13. Selected Industries.

Open to all students. One hour a week for a year.

Miss Coman.

A series of lectures designed to illustrate various economic problems. Extractive industries such as mining, lumbering, and agriculture serve to demonstrate the law of diminishing return. Transportation agencies are treated as determining commerce and markets. The effect of machinery and large scale production on labor and on the consuming public is evidenced by certain manufactures. The relation of wages to standard of living is discussed in the light of actual examples.

14. Municipal Socialism.

Open to students who have completed two courses in Economics. Three hours a week for the second semester.

Miss Coman.

This course is designed to follow course 4, and proposes a review of actual experiments, English, European and American, in the way of municipal service.

Courses 11 and 12 normally follow course 1, and either of these courses with course 1 constitutes the work of the first year in economics.

ELOCUTION

INSTRUCTOR: MALVINA BENNETT, PH.B.

1. Training of the Body and Voice.

Open to sophomores, juniors, and seniors; to freshmen by special permission. Two hours a week for a year.

Miss Bennett.

Body; poise and bearing. Voice; articulation; correct method of breathing, etc. Reading with special reference to a good use of the voice. Recitations.

* 2. Training of the Body and Voice. Expression.

Open to students who have completed course 1, or an equivalent course. Two hours a week for a year.

Miss Bennett.

Voice culture; exercises for freedom of body; gesture; recitations from the best authors; reading at sight.

3. Reading of Shakespeare.

Open to students who have completed courses 1 and 2, or to those who have completed or are taking English Literature 9; to others at the discretion of the instructor. Two hours a week for a year.

Miss Bennett.

Analysis of characters, reading, scenes selected for memorizing and acting.

† 4. Public Speaking.

Open to students who are taking or have taken English 15 or to students who are taking or have taken Elocution 1. Two hours a week for a year.

Miss Bennett.

Voice training, gesture, reading and speaking from standard orations and essays, varied with dramatic work.

* Not offered in 1905-1906.

† Withdrawn for the current year.

ENGLISH

ASSOCIATE PROFESSORS: SOPHIE CHANTAL HART, M.A.,
ALICE VINTON WAITE, A.M.

INSTRUCTORS: MARTHA GAUSE McCAULLEY, M.A.
LAURA EMMA LOCKWOOD, PH.D.,
FRANCES MELVILLE PERRY, M.A.,
JOSEPHINE MAY BURNHAM, PH.B.,
EDITH WINTHROP MENDALL TAYLOR, B.A.,
ELIZABETH AVERY COLTON, A.M.

ASSISTANT: CLARE MACLLELEN HOWARD, A.M.

LECTURER: SAMUEL ARTHUR KING, M.A.

1. General Survey.

Required of freshmen. Two hours a week for a year.

Miss Perry, Miss Burnham,
Miss Howard, Miss Colton.

First semester: exposition; description; narration.
Weekly themes. Second semester: critical study of the
essay, and of the structure of the short story. Fortnightly
themes or their equivalent.

2. Critical Exposition and Argumentation.

Required for a degree. Open to students who have completed course 1. Two hours a week for a year.

Miss Waite, Miss Taylor, Miss McCaulley.

Fortnightly themes, or their equivalent. Studies in
criticism, in argumentative masterpiece; and in forms of
fiction.

8. Studies in Verse Forms.

Open to juniors and seniors. Three hours a week for a year.

Miss Waite.

Lectures on the theories and history of English verse
forms, illustrated by class reading and discussion.

6. Long and Short Themes.

Open to students who have completed course 2 or 12. Two hours a week for a year.

Miss Hart.

Four short themes or their equivalent per week. Long themes at stated intervals. Critical analysis in the classroom of themes submitted.

7. Old English. Elementary Course.

Open to students who have completed course 1 or 12. Three hours a week for a year.

Miss Lockwood.

Cook's *First Book in Old English*; *Beowulf*; *The Andreas*; selections from the prose of Alfred and Alfric.

10. The Theory and History of Criticism.

Open to juniors and seniors. One hour a week for a year.

Miss Hart.

Lectures on Plato, Aristotle, Sidney, Ben Jonson, Dryden, Pope, Boileau, Addison; the more important 19th century critics in England, and Sainte-Beuve, Taine, Hennequin, Brunetière in France.

11. History of the English Language.

Open to students who have completed course 1 or 12. Three hours a week for a year.

Miss Waite.

Lounsbury's *English Language*; Skeat's *Etymological Dictionary*; lectures on questions of usage in English speech.

12. Principles of Rhetoric and Composition.

Open to freshmen only. Five hours a week for a year.

Miss Perry.

First semester: the elements and qualities of style; analysis of the essay; weekly themes. Second semester: translation; description; analysis of the short story; principles of argumentation; fortnightly themes. This course will cover the required work in English and will count in addition as a one-hour elective.

13. Old English, Advanced Course.

Open to students who have completed course 7. Two hours a week for a year.

Miss Lockwood.

Sievers-Cook: *Grammar of Old English*; Cynewulf: *the Crist*; *the Elene*; *the Juliana*; *the Riddles*.

14. Middle English.

Open to juniors, seniors, and graduates who have completed English 7 or 13. Two hours a week for a year.

Miss Lockwood.

16. Advanced Course in English Composition.

Open to students who have completed course 6. Three hours a week for a year.

Miss Hart.

Studies in structure and style with frequent practice in writing.

17. Forms of Public Address.

Open to students who have completed the required work in English. Three hours a week for a year.

Miss McCaulley.

A study of the principles of argumentation with practice in debates and in other forms, such as the oration, the committee report, and the occasional address.

A course of six lectures on Logic is given by Associate Professor Gamble of the department of Philosophy in connection with course 2.

ENGLISH LITERATURE

PROFESSOR: KATHARINE LEE BATES, M.A.

ASSOCIATE PROFESSORS: VIDA DUTTON SCUDDER, M.A.,
SOPHIE JEWETT,
MARGARET POLLOCK SHERWOOD, Ph.D.

INSTRUCTORS: MARY BOWEN, Ph.D.,
MARTHA HALE SHACKFORD, Ph.D.,
LAURA EMMA LOCKWOOD, Ph.D.,
CHARLES LOWELL YOUNG, B.A.

1. Outline History of English Literature.

Open to all students. Freshmen four hours, all other students three hours a week for a year.

Miss Shackford.

The object of this course is to give the student a general survey of English literature and to prepare the way for more specialized work. The course is conducted by lectures and by critical studies of selected masterpieces.

A syllabus of the historical work is sold by the department.

2. American Authors.

Open to students who have taken or are taking course 1, and to all seniors. Three hours a week for a year.

Mr. Young.

The course will follow the history of American literature and will study in detail some representative authors of the National era. Effort will be made to interpret the American character and to indicate its ideals.

3. English Lyric Poetry.

*Open to students who have taken or are taking course 1.
Two hours a week for a year.*

Miss Jewett.

This course will include studies of various lyric forms. Close attention will be given to Elizabethan songs and sonnets, with briefer comparative work in earlier and later lyrics.

4. Milton.

*Open to students who have taken or are taking course 1.
Three hours a week for a year.*

Miss Lockwood.

The primary object of this course is the critical study of Milton as a master in lyric, epic, and dramatic poetry, and as a writer of notable prose. The character and genius of the poet are considered as influenced by the political and religious conflict of the times. Special emphasis is placed on the comparison of Milton's work with that of other great writers who have used the same literary forms.

5. English Prose, exclusive of Fiction, from Sidney to Carlyle.

*Open to students who have taken or are taking course 1.
Two hours a week for a year.*

Miss Shackford.

The aim of this course is to teach the development of English prose style, to examine the chief prose forms perfected, and to study the personality and influence of each of the more important writers.

6. Victorian Prose.

*For conditions of entrance see final note. Three hours
a week for a year.*

Mr. Young.

The course will deal especially with Dickens, Thackeray, George Eliot, Arnold, Newman, Carlyle, and Ruskin. Attention will also be given to the historical background, and to the work of minor men.

7. English Poetry of the XIX. Century.

For conditions of entrance see final note. Three hours a week for a year.

Miss Jewett.

This course considers the work of the great Georgian and Victorian poets in their relation to one another and to contemporary movements, political, social, ethical, and æsthetic.

8. English Literature of the XIV. Century.

For conditions of entrance see final note. Three hours a week for a year.

Miss Bowen.

The course will include a chronological study of the major portion of Chaucer's work. Attention will be given to Chaucer's chief French and Italian sources, to contemporary English literature and social conditions. Special study will be put upon Langland's *Piers Plowman* and upon *The Pearl*. A syllabus for the Chaucer work may be obtained from the department.

9. English Drama through Shakespeare.

For conditions of entrance see final note. Three hours a week for a year.

Miss Bates.

This course attempts to trace the dramatic evolution from the Easter Mystery to Shakespeare, to observe the structure and artistic principles of the Elizabethan drama, and to study closely a few of Shakespeare's plays, with reading and discussion of the others. A syllabus sold by the department furnishes bibliographical data for the work.

10. Historical Development of English Literature.

For advanced students. For conditions of entrance see final note. Three hours a week for a year.

Mr. Young.

This course follows the development of English Literature from the earliest times to the present. It is designed to supplement the more detailed courses already taken by a general survey, which shall reveal causes and relations.

* 11. Modern Authors.

This course is primarily intended for graduate students. Open to seniors only by special permission. Three hours a week for a year.

Miss Bates.

Two significant authors are chosen each year for close and comprehensive study. The authors considered in 1901-1902 were Ruskin and Morris; in 1902-1903 Shelley and Browning; in 1903-1904 Wordsworth and Coleridge; in 1904-1905 Rossetti and Swinburne.

13. Social Ideals in Modern English Literature.

Open to students who have taken or are taking course 1. Three hours a week for the first semester.

Miss Scudder.

This course will trace the development of social thought in modern English Literature. Emphasis will be put upon the poets of the Revolutionary period.

14. English Masterpieces of the Nineteenth Century.

Open only to seniors who have completed no full course in English Literature, or course 1 only. Three hours a week for a year.

Miss Jewett.

This course is intended to develop a sympathetic appreciation of literature through the study of chosen masterpieces.

* 15. Shakespeare's Contemporaries and Successors.

Open to all students except freshmen. One hour a week for a year.

Miss Sherwood.

Lectures with library readings. Selected dramas from the successive dramatic periods, Jacobean, Restoration, Eighteenth Century, Georgian, Victorian, will be studied.

* Not offered in 1905-1906.

16. Old English Literature of the Anglo-Saxon Period.

Open to freshmen only. Four hours a week for a year.

Miss Bowen.

The purpose of this course is to study chosen masterpieces of English Literature from the seventh to the eleventh century.

17. Development of English Prose Fiction to 1800.

Open to all students except freshmen. One hour a week for a year.

Miss Sherwood.

The work will extend from the chivalric romance through the sixteenth-century experiments with new types, and the eighteenth-century development of the novel, to selected masterpieces of Jane Austen and of Scott.

18. The British Ballad.

Open to all students except freshmen. One hour a week for a year.

Miss Jewett.

This course will consist of a study of the English and Scottish popular ballads, and of the modern literary ballad from Scott to Stevenson.

20. The Poetry of Spenser.

Open to students who have taken or are taking course 1. Three hours a week for the second semester.

Miss Bowen.

The course will include the greater part of the *Faerie Queene* and all the minor poetry of Spenser.

21. Studies in Arthurian Romance.

Open to students who have taken or are taking course 1. Three hours a week for the first semester.

Miss Scudder.

The course will open with Malory's *Morte Darthur*, and thence work backward to a study of certain earlier forms of Arthurian romance. The Grail-Cycle will receive especial attention.

22. English Romanticism.

For conditions of entrance see final note. Three hours a week for a year.

Miss Sherwood.

A study of the Romantic Movement, designed to bring out, through investigation of selected works, certain phases of the relation of English to German Literature, and of English to French Literature, during the period of reaction in the late eighteenth and the early nineteenth century.

23. Critical Problems of Elizabethan Literature.

Primarily for graduates, but open, by approval, to seniors who have had course 9.

Miss Bates.

This course will attempt to give graduate training in literary investigation. To each student will be assigned some special problem of source, authorship or the like, which she will pursue till her conclusion is reached, reporting progress from week to week in the seminar. In the case of candidates for the Master's degree, their subjects will be related, when possible, to their theses.

NOTE.—Courses in English Literature are elective, with the following restrictions:—

Students proposing to elect a single full course should take 1, with the exception of seniors desiring course 2 or

course 14, and of freshmen, for whom 16, the only other course open to them, is usually better.

Students proposing to elect two courses only should take 1, followed by 2 or 4 or 8, or the combination of either 13 or 21 with 20, or of either 3 or 5 with 15, 17 or 18. These one-hour courses, 15, 17, 18, may be taken alone. Students are advised not to elect two of these for any one year. The two-hour courses, 3 and 5, may be taken separately or together.

Students proposing to take a three-course major should elect their two earlier courses as above. The third course may be chosen from those there enumerated, or from the more advanced courses 6, 7, 9 and, by approval, 22.

Students proposing to take a four-course major should elect in order either 16, 8, 9, 10; or else 8, 9, 6 or 7, 10. This major is regarded by the department as affording the firmest foundation for teaching or for graduate work, in that the student puts special study on the successive great periods of English Literature in preparation for apprehending, through course 10, the development of that literature as an organic whole. Substitute courses of a kindred nature may be arranged, for good reason, by permission of the head of the department, as the first semester of 9 with 20, or 22 in place of 6 or 7.

Either half of any one of courses 2, 4, 6, 7, may be taken as a complete semester course, by permission of the instructor of the course and of the head of the department. In special cases, the first semester of 8 or 9 may be so counted.

GEOLOGY AND MINERALOGY

PROFESSOR: WILLIAM HARMON NILES, B.S., PH.D., M.A., LL.D.

INSTRUCTOR: ELIZABETH FLORETTE FISHER, B.S.

I. Geology.

Open to sophomores, juniors, and seniors. Three hours a week for a year.

Mr. Niles, Miss Fisher.

Lectures, recitations, and field work. Subjects treated: Dynamical, Structural, and Historical Geology.

A systematic and comprehensive study of the more important teachings of geological science.

2. Mineralogy.

Open to sophomores, juniors, and seniors. Three hours a week for the first semester.

Miss Fisher.

Lectures and recitations. Laboratory study of sets of specimens of the more important mineral species. Blow-pipe analysis. Crystallography. A reference collection is always available for students' use.

3. Advanced Geography.

Open to students who have completed one year of Science. Three hours a week for the second semester.

Miss Fisher.

Lectures and recitations. This course comprises a comparative study of the geographic features of the continents with their natural and political divisions. It also discusses the influence which these features have upon the life, habits, prosperity, and commercial relations of peoples and nations.

† 4. Structural Geology and Field Work.

Open to students who have completed course 1. Three hours a week for a year.

Miss Fisher.

Lectures, discussions, and field study. The aim of the course is to give a thorough knowledge of Structural Geology, with practice in applying the principles to the interpretations of the geology of selected localities.

† Withdrawn for the current year.

GERMAN

PROFESSOR : MARGARETHE MÜLLER.

INSTRUCTORS : FRIEDA REUTHER,

HERMINE CAROLINE STÜVEN,

† JOHANNA MARIE LOUISE PIRSCHER, PH.M.,

NATALIE WIPPLINGER, PH.D.,

FLORENCE EMILY HASTINGS, B.A.

ASSISTANTS : KÄTE WOLTERECK,

CAROLYN P. NELSON, B.A.

- † 1. Elementary Course. Grammar, prose composition, reading, exercises in speaking, memorizing of poetry.

Open to all students. Four hours a week for a year.

Miss Nelson, Miss Hastings.

- † 2. Elementary Course. Topics as in course 1.

Open to all students who have completed course 1. Three hours a week for a year.

Miss Reuther.

- † 4. Intermediate Course.

Open to all students who have completed the minimum admission requirement in German. Four hours a week for a year.

Miss Hastings.

Courses 2 and 4 are intended to fit students to enter courses 5 and 10.

- † 3. Reading Course.

Open to sophomores beginning German. Three hours a week for a year.

The object of this course is to give the student, through the medium of translation, such a knowledge of German as shall be useful in her studies of other subjects than German.

† Withdrawn for the current year.

‡ First-year German may not be counted toward the B.A. degree if taken after the sophomore year, nor second-year German if taken after the junior year.

†† Absent on leave.

5. Grammar and Composition (Intermediate Course).

Open to all students who have completed courses 2 or 4, or who have met the maximum admission requirement in German. One hour a week for a year.

Miss Stüven, Miss Wipplinger,
Miss Reuther, Miss Woltereck.

Review of elementary grammar and study of more advanced grammar. Constant practice in prose composition, freie Reproduktion, and letter writing.

10. Outline History of German Literature.

Open to all students who have completed courses 2 or 4, or who have met the maximum admission requirement in German. Freshmen three hours, all other students two hours a week for a year.

Miss Stüven, Miss Wipplinger,
Miss Reuther, Miss Woltereck.

The main object of this course is to familiarize the student with the vocabulary necessary for literary reading and discussion, and to furnish her with a general mythological and historical background for the more detailed study in the courses following this.

8. Grammar and Composition (Advanced Course).

Open to students who have completed courses 5 and 10. One hour a week for a year.

Miss Reuther, Miss Hastings.

The work in this course will to a large extent consist in the rendering of selections from English authors into the German idiom.

11. Goethe's Life and Works (Introductory Course).

*Open to students who have completed courses 5 and 10.
Three hours a week for the first semester.*

Miss Müller, Miss Woltereck, Miss Hastings.

Lectures, discussions, short papers. Study of the principal characteristics of Goethe's life and works to the time of his literary co-operation with Schiller. Works read and discussed: *Dichtung und Wahrheit* (selections), *Götz von Berlichingen*, *Iphigenie*, *Hermann und Dorothea*, poems, etc.

22. Schiller's Life and Works (Introductory Course).

*Open to students who have completed courses 5 and 10.
Three hours a week for the second semester.*

Miss Woltereck, Miss Wipplinger.

Lectures, discussions, short papers. Texts read: Hamann's *Leben Schillers*, *Die Räuber*, *Kabale und Liebe*, *Maria Stuart*, select poems, etc.

27. German Lyrics and Ballads.

*Open to students who are taking courses 11, and 22 or 28.
One hour a week for a year.*

Miss Stüven.

The work in this course will extend from the *Minnege-sang* through the *Volkslied*, *Kirchenlied*, *Vaterlandslyrik* to modern lyric poetry.

† 28. Schiller's *Wallenstein*.

Open to students who have completed course 11. Three hours a week for the second semester.

Miss Reuther.

Lectures and discussions on the social and political conditions of the period treated in *Wallenstein*. Reading of selections from Schiller's *Der dreissigjährige Krieg* and Freytag's *Bilder aus der deutschen Vergangenheit*.

† Withdrawn for the current year.

29. Studies in German Comedy.

Open to juniors and seniors who have completed course 11 or either of courses 22, 28, 27. Two hours a week for the second semester.

Miss Woltreck.

Presentation, in lectures, of the development of the German comedy through the modern periods. Representative comedies of Hans Sachs, Gryphius, Goethe, Lessing, Kleist and Freytag as well as selected recent German comedies, are read by the students.

* 14. Theory of the Drama, illustrated by classic and modern dramas.

Open to students who have completed courses 11, and 22 or 28, and to others by permission of the department. Two hours a week for the second semester.

Lectures, discussions, reading. Treatment of the historical development of dramatic poetry. Study of the structure of the drama according to Freytag's *Technik des Dramas*. Analysis of Shakespeare's *Macbeth*, of Schiller's *Die Räuber*, *Kabale und Liebe*, *Maria Stuart*, and Goethe's *Iphigenie*. Reference book: Volkelt's *Die Aesthetik des Tragischen*.

* 15. History of German Literature I.

Open to students who have completed courses 5 and 10. Two hours a week for the first semester.

Miss Wipplinger.

The course consists of lectures, discussions, reading. The aim of the lectures is to trace the parallel development of the language, literature, social conditions, and religious ideals of the times. The works read and discussed are: the *Hildebrandslied*, *Muspilli*, etc., selections from the *Heiland*, Otfried's *Krist*, the *Waltharilied*, the *Nibelungen-*

lied, the works of Wolfram, Gottfried, Hartmann, the Minnesingers and Meistersingers, according to Wenckebach's *Deutsche Literaturgeschichte* and *Musterstücke*, Scherer's *Geschichte der deutschen Literatur*, Freytag's *Bilder aus der deutschen Vergangenheit*, Könnecke's *Bilderatlas*.

16. History of German Literature II.

Open to students who have completed course 15, and to others by permission of the department. Two hours a week for the first semester.

Miss Wipplinger.

The course consists of lectures, discussions, reading. The method, aim, and reference books are the same as in the preceding course. Chief topics: Luther, Brant, Hans Sachs, the *Volkslied*, Grimmshausen, Gryphius, Klopstock, Wieland, Bürger, etc. Reference books: Scherer, Vogt und Koch, Hettner, etc.

23. Studies in Structure and Style.

Open to juniors and seniors who have completed course 8 or an equivalent. One hour a week for a year.

Miss Woltereck.

The object of this course is to give greater correctness of expression (oral and written), and to develop a feeling for good style in German.

† 9. History of the German Language.

Open to juniors and seniors who have completed course 8 or an equivalent. One hour a week for a year.

Miss Pirscher.

This course aims to give a fuller and more thorough understanding of the modern idiom through the study of its historical development. Text-book: Behaghel's *Die Deutsche Sprache*.

• † Withdrawn for the current year.

17. Middle-High German.

Open to juniors and seniors who have completed at least courses 5 and 10. Two hours a week for the second semester.

Miss Wipplinger.

Survey of Middle-High German forms and sounds.
Translation of Middle-High German epic and lyric poetry into the modern idiom.

26. Gothic. (See Department of Comparative Philology, Course 6.)

Miss Wipplinger.

13. The German Novel.

Open to juniors and seniors who have completed courses 11, and 22 or 28, and to others by permission of the department. One hour a week for a year.

Miss Müller.

Lectures, reading, discussion, essays. Presentation of the historical development of the German novel, in lectures. Special study of some of the representative novels by Goethe, Jean Paul, Freytag, Keller, Heyse, Storm, Sudermann, etc.

18. The German Romantic School.

Open to juniors and seniors who have completed courses 11, and 22 or 28, and to others by permission of the department. Three hours a week for the second semester.

Miss Wipplinger.

Reading of works representative of the Romantic School.
Reference books: the histories of German literature, by R. Haym, W. Scherer, G. Brandes, R. Meyer, and others.

19. Lessing as Dramatist and Critic.

Open to juniors and seniors who have completed courses 11, and 22 or 28, and to others by permission of the department. Three hours a week for the first semester.

Miss Müller.

Treatment of Lessing's critical work in literature, theology, and æsthetics. Works read and discussed are: *Minna von Barnhelm*, *Emilia Galotti*, *Nathan der Weise*, *Die Hamburgische Dramaturgie*, *Laokoön*, *Erziehung des Menschengeschlechts*, *Axiomata*, *Anti-Götze*. Reference books: Erich Schmidt's *Lessing*, Kuno Fischer's *Lessing als Reformator der deutschen Literatur*, Kuno Fischer's *Lessing's Nathan*, Baumgart's *Handbuch der Poetik*.

20. Schiller as Philosopher and Writer on Æsthetics.

Open to seniors who have completed at least two of the following courses: 13, 14, 16, 18, 19, and to others by permission of the department. Two hours a week for a year.

Miss Wipplinger.

Study of Schiller through his correspondence with Körner, Goethe, etc., and his philosophic-æsthetic poems and essays. These are read and discussed in class.

21. Goethe's *Faust*, Parts I. and II.

Open to seniors who have completed at least two of the following courses: 13, 14, 16, 18, 19, and to others by permission of the department. Two hours a week for a year.

Miss Müller.

Extensive study of Goethe's *Faust* (Thomas's and Schröer's editions), Parts I. and II. The contrasting of the *Volksbuch von Dr. Faust* with Marlowe's *Faustus* and the *Faust-Puppenspiel*. Study of the genesis of Goethe's *Faust*. Comparison of the *Göckhausen "Urfaust"* and the fragment of 1790 with the completed First Part, etc., etc.

* 24. Studies in Current German Literature.

Open to seniors' who have completed at least two of the following courses: 13, 14, 16, 18, 19, and to others by permission of the department. One hour a week for a year.

Miss Müller.

The aim of this course is to acquaint the students with the new style of writing, as well as with the thought and art in the Germany of to-day. This will in part be accomplished by reading in standard German magazines and by a special study of the dramas of Hauptmann, Sudermann, Wildenbruch, Ibsen, and others.

The language of the class room in all these courses is German, except in course 3. In addition to lectures in German there will be constant exercises in speaking.

There is a well selected library of German books, to which students in the higher German courses are constantly referred.

GREEK

PROFESSOR : ANGIE CLARA CHAPIN, M.A.

ASSOCIATE PROFESSORS : ANNIE SYBIL MONTAGUE, M.A.,
KATHARINE MAY EDWARDS, PH.D.

INSTRUCTOR : EDITH SOUTHER TUFTS, M.A.

1. Lysias (selected orations); Plato: *Apology and Crito*; English into Greek, exercises based on prose read; Homer: *Odyssey* (selections amounting to about 2,500 verses). Studies in Greek life.

Open to students who have met the maximum admission requirement. Four hours a week for a year.

A separate division reciting three times per week may be formed for students above freshman rank.

Miss Montague, Miss Edwards.

* Not offered in 1905-1906.

2. Attic Orators : selections ; Euripides : one drama.

Open to students who have completed course 1. Three hours a week for a year.

Miss Montague.

3. Historians. Thucydides : *The Sicilian Expedition* ; Herodotus : *The Persian War* ; Æschylus : *Persians*.

Open to students who have completed course 1. Three hours a week for a year.

Miss Edwards.

4. Origin and Development of Greek Drama. Aristotle's Theory of Tragedy. Reading and criticism of selected dramas ; Æschylus : *Prometheus* ; Sophocles : *Œdipus Tyrannus*, *Antigone* ; Euripides : *Bacchæ* ; Aristophanes : *Frogs* (selections). A study of all the extant plays of Æschylus and Sophocles is made by special topics.

Open to students who have completed two full courses. Three hours a week for a year.

Miss Chapin.

5. History of Greek Poetry. Theory of Poetry in Plato's *Ion*. Lectures and readings ; Homeric Hymns ; Hesiod ; elegiac poets : lyric fragments ; Pindar ; Bacchylides ; Theocritus.

Open to students who have completed three full courses. Three hours a week for a year.

Miss Chapin.

- * 7. Greek Dialects.

Open to students who have completed three full courses. Three hours a week for a year.

Miss Edwards.

A comparative study of the Greek dialects, their characteristics and their relations to each other, with reading and study of inscriptions and selected texts.

- † 10. Plato : *Phædo* and selections from other dialogues. Collateral readings from other Greek writers.

*Open to students who have completed two full courses.
Three hours a week for a year.*

Miss Montague.

11. Greek Syntax. A systematic study of the essential principles of Greek Syntax, illustrated by passages from various authors. Constant practice in translation from English into Greek.

This course is especially recommended to those intending to teach Greek. Open to students who have completed course 1. Two hours a week for a year.

Miss Montague.

12. Homeric Seminary.

*Open to students who have completed three full courses.
Three hours a week for a year.*

Miss Edwards.

Critical study of selected portions of the *Iliad* with discussions and lectures on special problems of Homeric grammar and antiquities, supplemented by the private reading of the *Iliad*.

13. Elementary Course. Greek Grammar. Xenophon : *Anabasis*, Book II. Practice in writing Greek.

Open to all students. Four hours a week for a year.

Miss Montague.

14. Xenophon's *Anabasis*, continued. Homer: *Iliad*, 3 books. Sight translation. Prose composition throughout the year based on prose read.

Open to students who present the minimum admission requirement in Greek, or who have completed course 13. Freshmen four hours, other students three hours a week for a year.

Miss Tufts.

For courses in Comparative Philology and Classical Archæology see pages 91 and 103.

For courses in the study of the Greek Testament see p. 49.

HISTORY

PROFESSOR: ELIZABETH KIMBALL KENDALL, LL.B., M.A.

INSTRUCTORS: JULIA SWIFT ORVIS, B.A.,

†† EDNA VIRGINIA MOFFETT, M.A.,

JOHN HIGGINSON CABOT, 2D, PH.D.,

MABEL ELISABETH HODDER, A.M.

- † 1. Political History of England to 1603.

Open to freshmen, sophomores, and juniors, and to seniors who have taken no college course in history. Freshmen four hours, all others three hours a week for the first semester.

Miss Orvis.

- † 2. Political History of England from 1603 to the present time.

Open to sophomores, juniors, and seniors, and to freshmen who have completed course 1, or who offer English

‡ Courses 1 and 2, or 3, are prerequisite to later elections. These courses will not both count toward a three-course major, nor if taken after 1906, toward a four-course major.

†† Absent on leave.

History as an admission subject. Freshmen four hours, all others three hours a week for the second semester.

Miss Orvis.

NOTE.—The aim of these courses is to train students in the use of historical material and in dealing with historical problems. Emphasis is placed on political, social and industrial conditions in relation to race development.

‡ 3. History of Europe from the Roman Conquest to the Peace of Westphalia.

Open to freshmen, sophomores, juniors, and seniors. Freshmen four hours, all others three hours a week for a year.

Mrs. Hodder.

This course furnishes an outline of mediæval and early modern history, and deals with the simpler political and social problems. It aims to train students in methods of historical work, and to furnish a background for detailed study of particular epochs.

4. History of the French Revolution.

Open to sophomores, juniors and seniors. Three hours a week for a year.

Miss Orvis.

This course involves (1) an introductory discussion of the condition of France on the eve of the Revolution; (2) a detailed study of the progress of the Revolution and of the reaction against democratic tyranny culminating in Imperialism; (3) an inquiry into the influence of revolutionary ideas in the subsequent history of France, Germany, Austria, Italy, Spain, and Russia.

‡ Courses 1 and 2, or 3, are prerequisite to later elections. These courses will not both count toward a three-course major, nor if taken after 1906, toward a four-course major.

5. Constitutional History of England to 1485.

Open to juniors and seniors. Three hours a week for the first semester.

Mrs. Hodder.

A study of the origin and early development of the English constitution. Stubbs is the principal authority. The class has access to the text of charters and laws.

6. Constitutional History of England from the accession of the Tudors.

Open to juniors and seniors. Three hours a week for the second semester.

Mrs. Hodder.

A study of the later development of the English constitution, the rise of party and cabinet government, and the establishment of popular control.

7. History of the United States from 1787.

Open to juniors and seniors. Three hours a week for a year.

Miss Kendall.

A study of the formation and development of the constitution of the United States, with special reference to controlling forces, such as the organization of parties, the growth of democracy, the rise of the slave power, the political effects of the development of the West.

* 8. The Period of the Renaissance and the Reformation.

Open to juniors and seniors. Three hours a week for a year.

Miss Moffett.

A study of the intellectual, religious, and social life of the sixteenth century, and of the institutions and movements which were its outcome.

* Not offered in 1905-1906.

9. History of the diplomatic relations of the States of Europe from the accession of Frederick the Great to the present day.

Open to sophomores, juniors, and seniors. Three hours a week for a year.

Mr. Cabot.

This course includes (1) a review of the changes in Europe since the Treaties of Westphalia; (2) the Age of Frederick the Great; (3) the change made in European relations by the French Revolution; and (4) the Age of Bismarck.

- * 10. American Colonial History.

Open to juniors and seniors who have completed two full courses in history. Three hours a week for a year.

Miss Kendall.

A study of the establishment and development of the English colonies in America, concluding with a detailed consideration of the conditions which led to a separation from the mother country.

11. History of Political Institutions.

Open to juniors and seniors. Three hours a week for the first semester.

Miss Kendall.

This is an introductory course in the comparative study of the origin, character, development, and aim of political institutions.

12. Growth of the British Empire.

Open to juniors and seniors who have completed two full courses in history. Three hours a week for the second semester.

Miss Kendall.

This course includes (1) a historical review of the development of the empire; (2) a study of the changes of colonial policy; (3) a study of colonial administration; and (4) a discussion of present colonial problems.

* Not offered in 1905-1906.

- * 13. History of Rome from the earliest times to the barbarian invasions.

Open to sophomores, juniors, and seniors who have completed courses 1 and 2, or 3, or who have offered Roman History for admission. Three hours a week for a year.

Miss Orvis.

A study of the development of Rome into a world power and its effects on her domestic institutions.

14. American History.

a. Age of Discovery and Conquest.

b. The American Revolution.

Open to sophomores, juniors and seniors who have taken or are taking History 1 and 2 or History 3. Two hours a week for a year.

Miss Kendall.

In the first semester the discovery and exploration of the American continents by the Spanish, English and French will be treated in detail, to be followed by a study of the contest between the European powers for control in the New World. The second semester will be devoted to a careful consideration of the American Revolution, especial attention being given to the European aspect of the struggle between England and her colonies.

15. International Politics.

Open to juniors and seniors. One hour a week for a year.

Miss Kendall.

The object of this course is to give a general view of international conditions since the close of the Bismarck period with especial reference to the present relations of Europe, America, and Asia.

* Not offered in 1905-1906.

HYGIENE

INSTRUCTOR : EVELYN BARRETT SHERRARD, B.A.

LECTURERS : SARAH ADAMS BOND, M.D.,
OLIVE DAVIS, B.S.

1. Physiology and Hygiene.

Required of freshmen. One hour a week for a year.

Miss Sherrard.

Lectures, demonstrations, and quizzes.

The subject presented is the proper care of the body, and the course is designed to give a practical knowledge of its structure and an understanding of the laws of life and health. An outline is also given of the general principles of public hygiene.

LATIN

PROFESSOR : ADELIN BELLE HAWES, M.A.

ASSOCIATE PROFESSOR : ALICE WALTON, PH.D.

INSTRUCTORS : ¶ CAROLINE REBECCA FLETCHER, M.A.,
MARIANA COGSWELL, B.A.

1. Cicero : *De Senectute* and *Letters*. Latin writing, exercises based mainly on Cicero. Tacitus : *Germania* and *Agricola*. Outline studies in the Early Empire. Selections from Horace.

Open to students who have met admission requirement. Four hours a week for a year.

Miss Walton, Miss Cogswell.

6. Horace : *Odes*, *Epodes*, *Epistles* ; Pliny's *Letters*.

Open to students who have completed course 1. Three hours a week for a year.

Miss Hawes, Miss Walton.

¶ Absent on leave.

- * 13. Livy : Books I., II., III. Study of early political institutions of Rome. Sight reading from Books XXI.-XXII. Ovid : *Fasti*. Study of religious institutions.

Open to students who have completed course 1. Three hours a week for a year.

Miss Fletcher.

(As courses 6 and 13 are both planned for sophomore work, neither may be taken, as the third or fourth course, by students who make Latin a major.)

11. Latin Prose Composition. Intermediate Course.

Open to students who have completed course 1 and are taking some other course in the department. One hour a week for a year.

Miss Cogswell.

10. Latin Prose Composition.

Open at the discretion of the instructor to students who have completed course 11 and who are taking some other course in the department. Two hours a week for a year.

Miss Cogswell.

4. Comedy. Selected plays of Plautus and Terence.

Open to students who have completed two full courses. Three hours a week for the first semester.

Miss Hawes.

5. Satire. Selections chiefly from Horace and Juvenal.

Open to students who have completed two full courses. Three hours a week for the second semester.

Miss Hawes.

* Not offered in 1905-1906.

- * 12. History of Latin Literature. Lectures and readings, with direction of the students' private reading.

Open to students who have completed two full courses, and who are taking some other course in the department. One hour a week for a year.

Miss Hawes.

The aim of this course is to give a general survey of the subject, tracing the beginnings and development of the various kinds of prose and verse, and considering the changes in the political and social conditions under which Latin literature developed.

- † 15. Topography of Rome. Epigraphy. Lectures and discussions.

Open to students who have completed two full courses. Three hours a week for a year.

Miss Walton.

First semester : Architectural History and Topography of Ancient Rome ; Studies in Pompeii. Second semester : Latin Epigraphy. Egbert's *Latin Inscriptions* is used as a text-book.

16. Private Life of the Romans. Lectures, readings, and discussions.

Open to students who have completed two full courses, and who are taking some other course in the department. One hour a week for a year.

Miss Hawes.

* Not offered in 1905-1906.

† Latin 15 and Archæology 3 and 4 are not usually given in the same year.

- § 14. Authors of the Early Empire. Readings from Tacitus, Suetonius, Seneca, Quintilian, Martial, and other authors.

*Open to students who have completed three full courses.
Three hours a week for a year.*

Miss Hawes.

- * § 9. Latin Poetry, especially Lyric, Idyllic, and Elegiac. Readings from Catullus, Horace, Vergil, Tibullus, Propertius, Ovid, Martial, and some of the later poets.

*Open to students who have completed three full courses.
Three hours a week for a year.*

Miss Hawes.

Classical Archæology

- † 6. Introduction to Classical Archæology.

Open to juniors and seniors who have completed one full course in Latin or Greek. Two hours a week for a year.

Miss Walton.

Outline history of prehistoric remains in Greece and Italy, with special emphasis upon Mycenæan civilization; introductory study of Greek vases, Greek and Roman coins, painting, bronzes, and gems.

- † ‡ 3. Topography of Greek sites with special reference to Athens.

Open to students who have completed three full courses in Greek. Three hours a week for the first semester.

Miss Walton.

The work will be based upon the text of Pausanias, in which there will be practice in rapid reading, besides close study of architectural history based on certain portions.

* Not offered in 1905-1906.

† Withdrawn for the current year.

‡ Archæology 3 and 4 and Latin 15 are not usually given in the same year.

§ Latin 9 and 14 are not given in the same year.

† ‡ 4. History of Greek Ceramics.

Open to seniors who have completed course 6 or 3. Three hours a week for the second semester.

Miss Walton.

So far as possible, the work will be illustrated by the vase collection in the Boston Museum of Fine Arts.

5. Greek Mythology illustrated in Art.

Open to students who have completed two full courses in Greek, and to others upon consultation. One hour a week for a year.

Miss Walton.

First semester: Olympic deities; Greek stories of Cosmogony; minor mythological figures. Second semester: Stories of the heroic age; legends of Troy, Thebes, and of the Atreidæ, including Iphigenia and Orestes.

The legends will be traced from their literary sources, and amply illustrated from reliefs, statuary, coins, and vase paintings.

APPLIED MATHEMATICS

PROFESSOR: ELLEN HAYES, B.A.

1. Introduction to the Mathematical Treatment of Science.

Open to sophomores, juniors, and seniors. Three hours a week for a year.

Miss Hayes.

† 3. Thermodynamics.

Open to students who have completed course 1. Three hours a week for the first semester.

Miss Hayes.

† Withdrawn for the current year.

‡ Archæology 3 and 4 and Latin 15 are not usually given in the same year.

†4. Theoretical Mechanics.

Open to students who have completed course 1. Three hours a week for the first semester.

Miss Hayes.

This course is a continuation of course 1, and is devoted to the further development of the principles of kinematics, statics, and kinetics.

†5. Geodynamics.

Open to juniors and seniors properly qualified. Three hours a week for the second semester.

Miss Hayes.

Both the astronomical and geological aspects of the subject are emphasized. In general, the topics discussed are: precession, nutation; form, size, density of the earth; thermal condition of the earth, theories concerning its crust.

PURE MATHEMATICS

PROFESSOR: ELLEN LOUISA BURRELL, A.B.

ASSOCIATE PROFESSORS: EVA CHANDLER, B.A.,
HELEN ABBOT MERRILL, PH.D.

INSTRUCTORS: ROXANA HAYWARD VIVIAN, PH.D.,
MIRIAM HATHAWAY, B.A.

ASSISTANT: MABEL MINERVA YOUNG, A.M.

1. Required course for freshmen.

Four hours a week for a year.

(a) Solid and Spherical Geometry.

Three hours, first semester.

(b) Higher Algebra.

One hour, first semester; two hours, second semester.

The subjects included are: Functions and Theory of Limits, Derivatives, Development of Functions in Series,

† Withdrawn for the current year.

Convergency of Series, Theory of Logarithms, Determinants, Theory of Equations (including Sturm's Theorem). (Taylor's *College Algebra*.)

(c) Plane Trigonometry.

Two hours, second semester.

The angular analysis, including transformations, trigonometric equations and inverse functions, is fully treated, as well as the solution of triangles and the practical use of the tables.

Miss Chandler, Miss Merrill, Miss Vivian,
Miss Hathaway, Miss Young.

2. Conic Sections and Plane Analytical Geometry.

Open to students who have completed course 1. Three hours a week for a year.

Miss Burrell, Miss Vivian.

A brief course in geometrical conics is given in connection with the usual analytical work, with correlated work in geometrical drawing.

3. Differential and Integral Calculus.

Open to students who have completed course 2. Three hours a week for a year.

Miss Burrell.

The applications include a course in curve tracing.

12. Algebraic and Trigonometric Analysis.

Open to students who have completed course 1 and are taking or have completed course 2. One hour a week for a year.

Miss Vivian.

Fundamental concepts and development of the complete number system of algebra; graphic representation; trigonometry as a part of pure algebra; De Moivre's Theorem; the fundamental theorem of algebra; further work in series; the generalized logarithm; hyperbolic functions.

4. Theory of Equations, with Determinants.

Open to students who have completed course 3. Three hours a week for the first semester.

Miss Chandler.

The work is based on Burnside and Panton's Theory of Equations.

5. Solid Analytical Geometry.

Open to students who have completed course 3. Three hours a week for the second semester.

Miss Chandler.

The straight line; the plane; surfaces of the second order. Brief study of surfaces in general.

6. Modern Synthetic Geometry.

Open to students who have completed course 2. Three hours a week for a year.

Miss Burrell.

Metrical and projective properties of plane and sheaf forms of the first and second orders; the anharmonic ratio; harmonic forms; the method of inversion; involution; collineation; the law of duality; theory of poles and polars; reciprocation; space forms and surfaces of the second order. Given by lectures and references, with constant practice in the solution of geometrical problems.

9. Higher Analysis.

Open to students who have completed course 3. Three hours a week for a year.

Miss Merrill.

Among the topics discussed in this course are: definite integrals; Gamma and Beta functions; infinite series and products; Fourier series; elliptic integrals; the elements of the theory of functions of a complex variable.

10. Differential Equations.

Open to students who have completed course 3. Three hours a week for a year.

Miss Chandler.

A general course in ordinary and partial differential equations.

11. Analytical Projective Geometry.

Open to students who have completed course 3, and have taken or are taking course 6. Three hours a week for a year.

Miss Burrell.

A lecture course, introductory to the principles of modern geometry.

MUSIC

PROFESSOR: HAMILTON CRAWFORD MACDOUGALL, MUS.D.

ASSOCIATE PROFESSOR: CLARENCE GRANT HAMILTON, M.A.

INSTRUCTORS: EMILY JOSEPHINE HURD,
JENNIE PRESTON DANIELL,
EDITH ESTELLE TORREY.

I. Musical Theory

Instruction in music is given in Music Hall and in Billings Hall, buildings used exclusively for this purpose. See page 138. The department aims to lay a foundation of musical knowledge that shall lead to a rational appreciation of the art of music and add a cultural element to a general education. The courses in theory and history are open to advanced freshmen (five-year music course), sophomores, juniors, and seniors without restriction as to previous musical knowledge, and count toward the B.A. degree. They are open to all special students. The history and theory courses are subject to no separate tuition fee with the exception of courses 9, 10, 11, 12, where a nominal fee of five dollars is charged for tuning and repairs of instruments. The following sequences of courses are recommended: 8, 1; 8, 1, 9; 8, 4; 8, 4, 10; 8, 1, 6-7; 8, 1, 6-7, 11-12; 8, 1, 4; 8, 1, 4, 10; 8, 1, 9, 4, 10; 8, 14; 8, 1, 14. A limited number of tickets for reserved seats at the Boston Symphony concerts will be given to students who are able to use them profitably.

8. Foundation Principles.

Open to advanced freshmen (five-year music course), sophomores, juniors, and seniors. Three hours a week for a year.

Mr. Macdougall.

This course covers the ground necessary for admission to courses 1 or 4, and also offers a substantial foundation for subsequent work in practical or theoretical music. It includes the study of elementary acoustics in its relation to music; the intervals; the modern scales; the formation and connection of the fundamental triads; the elements of rhythm and melody. Much attention will be devoted to ear training, and one hour of the course every week will be devoted to the realization of the principles of the course in choral practice. Students electing this course should be able to "carry a tune"; the quality of voice does not matter; if in doubt as to qualifications the student should consult the head of the department.

1. Harmony.

Open to students who have completed course 8. Three hours a week for a year.

Mr. Hamilton.

This course covers the formation and interconnection of chords; modulation; non-harmonic tones; analysis of harmony in standard works; invention of melodies and the expansion of the harmonic accompaniment. The course aims to give facility in elementary composition.

9. Applied Harmony.

Open to those students only who are at the same time taking course 1. Two hours a week for a year. A laboratory fee of five dollars is attached to this course.

Mr. Hamilton.

This course aims to realize synthetically at the pianoforte the principles taught in course 1, following what may be termed a laboratory method.

NOTE.—Instruction will be given in classes of not less than three nor more than four. The course is in no sense

a substitute for pianoforte lessons. Students must satisfy the head of the department that they have a pianoforte technique adequate for the work; in general, the ability to play the easier Mendelssohn Songs without Words and to read hymn tunes accurately at sight will be sufficient.

4. The Development of the Art of Music.

Open to students who have completed course 8. Three hours a week for a year.

Mr. Macdougall.

A course in the appreciation of music designed to develop musical perception and the ability to listen intelligently to the best music. It includes the evolution of rhythm, harmony, and melody, and their powers and offices in musical expression; the principal musical forms analytically considered; studies of the principal composers, their lives, their strongest works, their relation to the progress of musical art. Some great work will be selected for study during the year.

10. Applied History.

Open to those students only who are at the same time taking course 4. Two hours a week for a year. A laboratory fee of five dollars is attached to this course.

Mr. Macdougall.

This course aims to realize synthetically at the pianoforte the development of music from the organum of Hucbald to the Wagner opera. Specimens of the music of various schools and periods will be collected, played, and analyzed. See note to course 9.

6. Counterpoint.

Open to students who have completed course 1. Three hours a week for the first semester.

Mr. Macdougall.

Counterpoint in two, three, and four voices; double counterpoint; analysis; the distinctions between strict (modal) and free counterpoint; the rules for the latter deduced from contemporaneous practice.

11. Applied Counterpoint.

Open to those students only who are at the same time taking course 6. Two hours a week for the first semester. To this course a laboratory fee of two dollars and a half is attached.

Mr. Macdougall.

This course aims to realize synthetically at the piano-forte the laws of simple and double counterpoint by the constant playing and analysis of the best examples from the masters. See note to course 9.

7. Musical Form.

Open to students who have completed course 6. Three hours a week for the second semester.

Mr. Macdougall.

This course aims to cover the various imitative forms, the suite and sonata forms, the large forms of vocal and orchestral music. A study of the simple musical sentence and its development into the larger forms will be made.

12. Applied Form.

Open to those students only who are at the same time taking course 7. Two hours a week for the second semester. To this course a laboratory fee of two dollars and a half is attached.

Mr. Macdougall.

This course aims to play and to analyze a great number of specimens of the various forms, with careful analysis and classification. See note to course 9.

14. History of Music.

Open to sophomores, juniors, and seniors. Three hours a week, counting as two.

Mr. Hamilton.

A non-technical course in the history of the music of all nations, for which no previous knowledge of music is required. One appointment each week will be devoted to illustrative programs.

II. Practical Music (Instrumental and Vocal Lessons)

[Attention is called to the fact that a good student need not necessarily spend five years in college in order to carry on practical music at the same time with the academic course. See (a) below.]

It is believed that students having a command of pianoforte or organ technique will be able to profit by the theoretical instruction given in the department to a fuller degree than those without such a technique. To encourage students to acquire a technique, as well as to furnish authoritative instruction, the department undertakes to give lessons in pianoforte, organ and violin playing and in singing. Practical work is an elective, and students should notify the department of their election of the subject in the usual manner and at the proper time; with the exception of the applied music courses, 9, 10, 11, 12, practical work does not count toward the B.A. degree. It is offered to all students, whether candidates for degrees or not, as stated below:—

(a) *Candidates for the B.A. degree who propose to spend but four years in college may take practical music*, provided that they obtain each year the permission of the Dean of the College as well as of the Professor of Music. Freshmen may do so without taking Musical Theory, but sophomores, juniors, and seniors must take it unless they have previously completed two full courses in the subject.

(b) *Candidates for the B.A. degree who are willing to devote five years to the college course* will be permitted to take practical music each year of the course. Freshmen may do so without taking Musical Theory, but all other students in the academic and musical course are governed by the restriction laid down in (a).

(c) *Candidates for the B.A. degree who wish also the Certificate of the Department of Music* should plan to devote *five years to the college course*. Such students are required to take practical music, two lessons a week, throughout the five years. They must complete, satisfactorily to the department, a course in the literature of the instrument chosen or of the voice; they must apply for the certificate at least three years in advance. After the first year the study of Musical Theory is required.

(d) *Students not candidates for the B.A. degree who desire to specialize in Music* must meet the requirements prescribed for admission to the freshman class, and must in addition pass an examination on the rudiments of music. This examination will be based upon W. H. Cummings' *Rudiments of Music* (No. 2 of Novello Company's Music Primers), chapters 6, 9, and 10 omitted. Special

students must take both Musical Theory and vocal or instrumental lessons, two a week, with not less than twelve hours of weekly practice. They must also take from six to nine hours per week of academic work, including Musical Theory, as may be decided in consultation with the Dean.

(e) Students not candidates for the B.A. degree who wish the *Certificat  of the Department of Music* must comply with the conditions laid down in (d); moreover the academic work taken must include modern languages. Such students must apply for the certificate on entering the department, and must have already acquired the fundamental technique of the instrument chosen or of the voice. The time occupied in study for the certificate depends upon the talent, upon the proficiency of the student at entrance, and upon her subsequent diligence; but in general four years at least are necessary. The various courses are so arranged that the pupil on completion will have an acquaintance with the best musical literature.

(f) Graduates of Wellesley College or of other institutions may make special arrangement for instrumental or vocal lessons.

(g) As the department furnishes skilful instructors, permission to take lessons from instructors not members of the department cannot be granted; nor can permission to practice in Music Hall be given to students not regularly registered in the department.

(h) Students whose progress is not satisfactory may be required to discontinue their lessons.

For tuition and other charges in the Department of Music see page 127.

PEDAGOGY

ASSOCIATE PROFESSOR: ANNA JANE MCKEAG, PH.D.

I. Science of Education.

Open to juniors and seniors. Three hours a week for a year.

Miss McKeag.

This course attempts to base principles of education upon the data of science. It sketches rapidly the civilizing and educative influence of the arts of primitive peoples. It studies educational processes at various stages of the child's development, and considers educative material suitable at different periods of his life. This course also includes a general study of the child's growth and physique, and it presents school hygiene in detail.

2. History of Education. Educational theories.

Open to juniors and seniors. Three hours a week for a year.

Miss McKeag.

This course aims to present a general view of the great movements in education; to trace the development of its institutions, and to select characteristic features of its accepted systems. Emphasis is placed on modern educational theories. The child-study movement is considered. Detailed studies are made of certain practices and problems of the American public schools of the present time.

3. Introduction to Experimental Pedagogy.

Open to seniors who have completed the requirement in Philosophy and to graduates. Two hours a week for a year.

Miss McKeag.

A brief survey of the results of experimentation in the field of education. A study of effective method of investigation. Written reports of statistical and experimental inquiries.

† 8. Philosophy and Art of Teaching.

Open, on the approval of the department, to graduates who have completed course 1 or 2. Two hours a week for a year.

Miss McKeag.

This course attempts to present both the philosophy and the art of instruction. It considers the nature and elements of the teaching process; aims and ideals in school-room practices, and the basis of methodology. It examines in some detail the art of study, and briefly considers discipline and incentives.

† Withdrawn for the current year.

*9. Methods of Teaching.

Open to students who have completed course 8. Four hours a week for the second semester.

This course considers methods of teaching elementary school subjects, and discusses from a similar point of view the teaching of English and foreign languages, history, science, and mathematics in secondary schools.

COMPARATIVE PHILOLOGY

ASSOCIATE PROFESSOR: KATHARINE MAY EDWARDS, PH.D.

INSTRUCTORS: LAURA EMMA LOCKWOOD, PH.D.,
NATALIE MARY WIPPLINGER, PH.D.

I. General introduction to the Science of Language.

Open to seniors, and to juniors by permission of the instructor. Two hours a week for a year.

Miss Edwards.

Lectures on the origin and nature of language and principles of its life and growth; outline studies in phonetics; classification of languages; groups of Indo-European languages with chief characteristics.

*3. Comparative Grammar of Greek and Latin.

Open to seniors, and to juniors by permission of the instructor. Three hours a week for the second semester.

Miss Edwards.

Historical treatment of the sounds and inflections of Greek and Latin in relation to other Indo-European languages.

*5. Sanskrit.

Open to seniors, and to juniors by permission of the instructor. One hour a week for a year.

Miss Edwards.

6. Gothic.

Open to seniors, and to juniors by permission of the instructor, who offer at least a reading knowledge of German. Two hours a week for the first semester.

Miss Wipplinger.

Reading of Ulphilas, with constant reference to the syntax, phonology, and etymology of the language. Presentation of fundamental principles in Germanic Philology.

13. Old English, Advanced Course.

Open to students who have completed English 7. Two hours a week for a year.

Miss Lockwood.

Sievers-Cook: *Grammar of Old English*; Cynewulf: *the Crist; the Elene; the Juliana; the Riddles.*

PHILOSOPHY AND PSYCHOLOGY

PROFESSOR: MARY WHITON CALKINS, M.A.

ASSOCIATE PROFESSORS: MARY SOPHIA CASE, B.A.,

ELEANOR ACHESON McCULLOCH GAMBLE, PH.D.

INSTRUCTORS: ETHEL DENCH PUFFER, PH.D.,

JAMES CARLETON BELL, PH.D.

For requirement in Philosophy, and for other details, see Notes following description of courses.

1. Introduction to Psychology.

Open to juniors and seniors, and to sophomores by permission of the department. Three hours a week for the first semester.

Miss Calkins.

Analysis and classification of the phenomena of consciousness. Calkins: *Introduction to Psychology.*

7. Introductory Course in Experimental Psychology.

Open to juniors and seniors, and to sophomores by permission of the department. Three hours a week for a year.

Miss Gamble, Mr. Bell.

This course aims to insure to students an acquaintance with primary mental facts, to give them a definite notion of the topics treated and of the experimental and statistical methods employed in psychology, and to fit them for more advanced psychological work. Titchener: *Outline of Psychology*; Calkins: *Introduction to Psychology*; Angell: *Psychology*; Witmer: *Analytical Psychology*.

The work in psychology will be supplemented by a brief course introductory to philosophical study. Berkeley's *Principles of Human Knowledge* will be read.

15. Reading and Research Course in Psychology.

Open to students who have completed course 7 and to others by permission. Three or six hours a week for a year.

Miss Gamble, Mr. Bell.

Investigation, experimental or statistical, by individual students of special problems; written reports. Meetings of the class, in separate divisions, for the reading of French and German psychological texts.

17. Introductory Reading Course in Psychology.

Open to students only in combination with a required course in the department. One hour a week for a year.

Mr. Bell.

Reading of selected passages from James's *Psychology*, Locke's *Essay concerning Human Understanding*, and other works, arranged to supplement and elucidate the required courses.

18. Advanced Course in General Experimental Psychology.

Open to graduate students, and by permission to other students who have completed course 7 or 1. Three hours a week for a year.

Miss Gamble, Mr. Bell.

The purpose of this course is to offer thorough training in experimentation as demonstrative of the principal facts and theories of normal psychology. Special stress will be laid upon the use of apparatus. The course is designed to meet the needs of those who expect to teach psychology, or to engage in advanced psychological research. Titchener: *Experimental Psychology*.

* 3. Logic.

Open to sophomores, juniors, and seniors. Three hours a week for the first semester.

Miss Gamble.

Training in argument and in logical criticism. Work expressly designed to meet the practical needs of the student. Creighton: *Introductory Logic*.

* See Note 2, page 109.

2. Æsthetics.

Open to students who have completed course 1. Three hours a week. Offered at present in the first semester only.

Miss Puffer.

Lectures, historical and constructive; simple experiments in psychological æsthetics; analysis of concrete examples of beauty; collateral reading.

* Not offered in 1905-1906.

16. Social Ethics.

Open to students who have completed course 1. Three hours a week for the second semester.

Miss Case.

Ethics approached from the social side. Lectures on social psychology and on the scope of social philosophy, the nature of society and social institutions, and the nature of the good. Text study, primarily of Plato's *Republic*. Discussions.

† 13. Historical Studies in Ethics.

Open by permission as fourth course of a major subject. Prerequisites must be arranged with the department. Three hours a week for a year.

Miss Case.

The subject of the course has been varied from year to year. The topic proposed for the first semester of 1905-1906 was English hedonism.

6. Introduction to Philosophy.

Open to students who have completed course 1. Three hours a week for the second semester.

Miss Calkins.

Discussion of metaphysical problems based on Books II. and IV. of Locke's *Essay concerning Human Understanding*; selections from Hobbes's *Concerning Body*; Berkeley's *Principles of Human Knowledge* and *Dialogues between Hylas and Philonous*.

10. Greek Philosophy.

Open to students who have completed course 6 or 7 or 16. Three hours a week for a year.

Miss Case, Miss Puffer.

Text study, lectures, discussions. Fragments of the pre-Socratic philosophers; Xenophon's *Memorabilia* (selections).

† Withdrawn for the current year.

tions); Plato: most of the dialogues, with critical study of the more important passages; Aristotle: *Psychology* and selections from his other writings, with lectures on the *Metaphysics*. Lectures on post-Aristotelian philosophy.

9. Second Course in Modern Philosophy.

*Open to students who have completed course 6 or 7 or 16.
Three hours a week for a year.*

Miss Calkins.

Lectures and discussions. Text study of Descartes's *Meditations*; Leibniz's *Discourse on Metaphysics*, *Monadology*, *Correspondence with Arnauld*, *Principles of Nature and Grace*; Hume's *Treatise on Human Nature*, Book I.; Kant's *Critique of Pure Reason* (with omissions), and selections from his ethical works; either Schopenhauer's *Fourfold Root*, or Fichte's *Vocation of Man*. Lectures on the philosophy of Kant and of the post-Kantian German philosophers, and on problems of metaphysics.

11. Advanced Course in Modern Philosophy.

*Open by permission as fourth course of a major subject.
Prerequisites must be arranged with the department.
Three hours a week for a year.*

Miss Calkins, Miss Case.

Lectures, reports of special study, discussions. Subject of the course varied from year to year. In 1905-1906, text study of Spinoza's philosophical works, and of Hegel's *Logic of the Encyclopedia*.

* 12. Philosophy of Religion.

*Open by permission as fourth course of a major subject.
Prerequisites must be arranged with the department.
Three hours a week for a year.*

Miss Case.

* Not offered in 1905-1906.

NOTES.

1. The requirement in philosophy for a degree is met by taking course 1 (first semester), followed by course 6 or 16 (second semester); or by taking course 7 (full year course). Courses 6 and 16 are also open as elective courses.

2. A brief course of lectures in Logic is given by the department in course 2 of the department of English.

3. The required course in philosophy may often with great advantage be carried in the sophomore year. A student who wishes to take course 11, 12, or 13 as undergraduate work, can meet the prescribed conditions only by obtaining permission either to take this required course in the sophomore year, or to carry 9 or 10 in the junior year, simultaneously with the required work.

4. By permission either semester of 10, 11, 12, 13, and 15, and the second semester of 9, may be taken separately.

By permission 9 or 10 may be taken simultaneously with its prerequisite, the required course in philosophy.

5. Course 15 may be repeated by a student who has not already taken the maximum number of hours offered; it then counts as three hours per week for either semester.

6. The department also offers direction to graduate students in independent work in psychology or in philosophy.

PHYSICS

PROFESSOR : SARAH FRANCES WHITING, D.Sc.

INSTRUCTORS : GRACE EVANGELINE DAVIS, M.A.,
ELEANOR IRENE BURNS, B.A.

ASSISTANT : EMMA REBECCA ELLIS, B.A.

1. General Physics.

Open to all undergraduates. Freshmen four hours, others three hours a week for a year.

Miss Davis, Miss Burns, Miss Ellis.

This course is intended for students who are beginning Physics. It consists of lectures amply illustrated, followed by laboratory work. The object is to outline the elementary principles of Mechanics, Sound, Electricity, and Light, to train the powers of observation, and to teach proper methods of recording observations, and reasoning upon them.

3. Heat, Light, and Electricity.

Open to students who have completed course 1 or an equivalent. Freshmen four hours, all other students three hours a week for a year.

Miss Davis.

This course presupposes an acquaintance with the general principles of Physics, and aims to be more intensive in its work. Only the best instruments of precision are used, and training is given in the handling of apparatus and in the discussion of results.

Special attention is given to the needs of those preparing to teach.

† 4. Selected subjects in Light and Electricity, mathematically treated.

Open to seniors who have completed course 3 and also course 3 in Pure Mathematics. Three hours a week for a year.

Miss Whiting.

Text-books : First Semester, Preston's *Theory of Light* ; Second Semester, J. J. Thomson's *Mathematical Theory of Light and Electricity*, with reference reading.

It is possible to combine one semester of this course with either 5 or 8.

5. Advanced Optics.

Open to students who have completed course 3. Three hours a week for a semester.

Miss Whiting.

Polarized light, measurement of wave lengths with plane grating, mapping spectra with Filar micrometer, photographing spectra with concave grating spectroscope through color screens, measurement of photographs with measuring machine, work with interferometer.

† Withdrawn for the current year.

8. Advanced Electricity.

Open to students who have completed course 3. Three hours a week for a semester.

Miss Whiting.

Precise measurements of electrical units, Hertzian waves, discharge through gases, Roentgen ray photography, radio-activity, modern theories.

The aim of courses 5 and 8 is to present modern theories, with evidence for them gathered from individual work and consultation of original memoirs, and to develop the power of independent thought and experiment.

6. Meteorology.

Open to students who have had an elementary course in Physics in college or in preparatory school. One hour a week for a year.

Miss Davis.

Text-books: Davis's *Meteorology*, Ward's *Practical Exercises*. Making of weather maps; study of clouds, cold waves, progress of storms, weather prediction.

ROMANCE LANGUAGES

I. French

ASSOCIATE PROFESSOR: HENRIETTE LOUISE THERESE COLIN, PH.D.

INSTRUCTORS: VALENTINE JULIE PUTHOD,

MATHILDE LOUISE LAIGLE, B.S.,

JOHN HIGGINSON CABOT, 2D, PH.D.,

MARGUERITE BOCHER,

EVA LOUISE MARGUERITE MOTTET, B.S.

† 1. Elementary Course. Grammar, Composition, reading, and exercises in speaking.

Open to all students. Four hours a week for a year.

Miss Laigle, Mr. Cabot.

Abridged edition of Fraser and Squair's *French Gram-*

‡ First-year French may not be counted toward the B. A. degree if taken after the sophomore year, nor second-year French if taken after the junior year.

mar and Prose Composition (Heath & Co.); Parts I. and II.

The course includes a concise survey of French history with Lavissee's *Deuxième année Histoire de France, Cours Supérieur* (Paris); also, the reading of texts chosen from a certain range of authors and of subjects to insure the acquisition of a comprehensive vocabulary.

‡ 2. Elementary Course. Grammar, Composition, reading, and exercises in speaking.

Open to all students who have completed course 1 or an equivalent. Three hours a week a year for students who have completed course 1, all other students four hours a week for a year.

Miss Puthod, Miss Laigle, Mr. Cabot.

Storr's *French Syntax* (D. C. Heath & Co.) and Baillot-Brugnot's *French Prose Composition* (Scott, Foresman & Co.) are used to combine the theory and application of the essentials of Grammar. Reading, prepared and sight, from nine or ten modern writers, part from plays.

3. Intermediate Course. Grammar and Composition.

Open to students who have completed course 2 or its equivalent. One hour a week for a year.

Miss Puthod, Miss Laigle, Madame Mottet.

Bouvet's *French Syntax and Composition* (D. C. Heath & Co.) will be used for a systematic study and review of syntax introductory to original theme writing and oral narrative.

‡ First-year French may not be counted toward the B.A. degree if taken after the sophomore year, nor second-year French if taken after the junior year.

5. Intermediate Course. General survey of French Literature.

Open to students who have completed courses 1 and 2, or, the maximum entrance examination in French. Freshmen three hours, all other students two hours a week for a year.

Miss Puthod, Miss Laigle, Madame Mottet.

This course is conducted in French. It makes the student acquainted with a considerable number of literary masterpieces that France has produced since the seventeenth century, and gives her some idea of the general development of the literature from the Renaissance to the present day. The student's familiarity with the reading matter prescribed is tested at intervals in various ways—by class room discussion, written abstracts, or, criticism of the works read.

Doumic's *Histoire de la Littérature française* forms the basis of the course.

7. Advanced Grammar and Composition. Essay work and journal club.

Open to students who have completed courses 3, 4, 5. One hour a week for a year.

Madame Colin, Miss Puthod.

A course conducted on lines of actual interest. Periodicals on the shelves of the College library, also recent accessions, enable the student to acquire some familiarity with French topics of the day. Theme writing, abstracts, synopses and general reading are required.

19. French Social Life and Manners—their bearings on French Literature.

Open to students who have completed courses 3, 4, 5. Two hours a week for a year.

Madame Colin, Miss Puthod.

This course presents a connected study of legend, tradition, customs, phases of social life such as the salons, for

the purpose of tracing the twofold growth of the language and the literature of France. Prescribed readings and parallel reference furnish the matter for class discussion and occasional summaries.

As an aid, Rambaud's *Histoire de la Civilisation française* (Paris) is prescribed.

17. Time, Life and Works of Lafontaine.

*Open to students who have completed courses 3, 4, 5.
One hour a week for a year.*

Miss Laigle.

Special attention is given to the history of fables, to the influence of the classics, and the general conception of the fable. Lectures, reading, essays.

8. Life and Works of Victor Hugo.

*Open to students who have completed courses 3, 4, 5.
One hour a week for a year.*

Madame Colin.

This writer will be studied as poet in *Odes et Ballades*, *Les Orientales*, *La Légende des Siècles* and other selections; as dramatist in *Cromwell*, *Hernani*, *Les Burgraves*; and as novelist in *Notre Dame de Paris*, *Les Misérables* and *Quatre-vingt treize*. Lectures, critical reading, papers.

*14. French Literature in the XVI. Century.

Open to students who have completed course 19. Two hours a week for the second semester.

Study of Italian influences: The Renaissance; Marot; the Pleiade; beginnings of the classic drama; Rabelais; Montaigne; the Reformation; Calvin. Lectures, collateral reading, essays.

* Not offered in 1905-1906.

12. The Drama of the XVII. Century.

Open to students who have completed course 19 or its equivalent. Three hours a week for a year.

Madame Colin.

The theatre in France, the influences that shaped it, the masterpieces it produced are successively studied as representative of the nation and its conception of art.

Texts required: *Théâtre choisi de Corneille*, Petit de Julleville; *Théâtre choisi de Racine*, Lanson; *Théâtre choisi de Molière*, Thirion. (Paris: small classics edition.)

9. French Literature in the XVIII. Century.

Open to students who have completed course 19. Three hours a week for a year.

Miss Bôcher.

This course discusses the life, time and influence of Voltaire, Montesquieu, Jean-Jacques Rousseau; the drama and the novel as presented in the works of Voltaire, Regnard, Lesage, Marivaux, La Chaussée, Rousseau, Beaumarchais. It includes also a study of the political and philosophical writings of Rousseau (*Contrat social*, *Emile*); of Montesquieu (*Esprit des Loix*); of Diderot (*Encyclopédie*). Lectures, collateral reading, essays.

10. French Literature in the XIX. Century.

Open to students who have completed course 19. One hour a week for a year.

Miss Bôcher.

Study of the principal authors of the nineteenth century, and of contemporary literature. Lyric poetry, the drama, and the novel. Lectures, critical reading, and papers.

13. Romanticism and Naturalism in the XIX. Century.

Open to students who have completed course 19. Two hours a week for a year.

Miss Bôcher.

Study of the principal works. Lectures, critical reading, and papers.

12. French Lyric Poetry—the Parnassians and Symbolists.

Open to graduates, seniors, and juniors with permission of the department, who have completed two full college courses in French, including course 7 or its equivalent. One hour a week for a year.

Madame Colin.

A study of the poetic tendencies and movements of the second half of the nineteenth century and the men who led in them.

† 20. Historical French Grammar in its relation to the development of the language.

One hour a week for a year.

Madame Colin.

The history of the French language is traced from its origin to the present time and illustrated by texts read in course 11 and other texts.

11. Introductory studies in Old French and Old French Literature.

Open to graduates and seniors by permission of the department. Two hours a week for a year.

Madame Colin.

Translation into Modern French from *La Vie de St. Alexis*, *La Chanson de Roland*, *Aucassin et Nicolette*, *Chrétien de Troyes*. Selections from Bartsch and Horn-ing's *Chrestomathic*. For reference, Gaston Paris: *Manuel de la littérature française du moyen âge*. Lectures, additional reading, papers.

† Withdrawn for the current year.

II. Italian

ASSOCIATE PROFESSOR : MARGARET HASTINGS JACKSON.

1. Elementary Course.

Open to sophomores and juniors. Three hours a week for a year.

Miss Jackson.

Grammar with written and oral exercises ; reading and sight translation ; conversation.

2. Intermediate Course.

Open to students who have completed course 1. Three hours a week for a year.

Miss Jackson.

Grammar, prose composition ; reading and translation at sight : in the first semester from modern authors ; in the second semester from the classic authors.

3. History of Italian Literature in the XIII. and XIV. Centuries. Emphasis on Dante.

Open to students who have a reading knowledge of Italian, on consultation with the instructor. Three hours a week for a year.

Miss Jackson.

Selections from the *Vita Nuova* and the *Divina Commedia* of Dante. The Sonnets of Petrarch and the Tales of Boccaccio will be read in the original.

* 4. History of Italian Literature in the XIX. Century.

Open to students who have completed courses 1 and 2, or equivalents. Three hours a week for a year.

Miss Jackson.

* Not offered in 1905-1906.

* 5. Dante and the early Italian Renaissance. English course.

Open to juniors and seniors. Three hours a week for a year.

Miss Jackson.

First semester: Dante's *Divine Comedy* (in English) and the conditions of the age which produced it. Second semester: The early Italian Renaissance as expressed in the works of Petrarch, Boccaccio, Niccolò Pisano, Arnolfo, and Giotto. A knowledge of Italian is not required.

6. Italian Life and Literature of the later Renaissance.

Open to juniors and seniors. Three hours a week for a year.

Miss Jackson.

The object of this course is to give some knowledge of a country, an age, and a literature which have exercised a deep influence on English thought. While it is a continuation of course 5, the latter is in no way a prerequisite.

NOTE.—The Dante Society offers an annual prize of one hundred dollars for the best essay on a subject drawn from the life or works of Dante. The competition is open to students or graduates of not more than three years' standing from colleges or universities in the United States. For subjects and conditions consult page 519 of the Harvard University Catalogue, 1903-1904.

III. Spanish

INSTRUCTOR: ——— ———

* I. Elementary Course.

Open to juniors and seniors. Three hours a week for a year.

Grammar: written and oral exercises; Worman: *First Spanish Book*; conversation; prepared and sight translation; Doce Cuentos escogidos; Alarcón: *El Capitán Veneno*; Moratín: *El Si de las Niñas*; Bretón de los Herreros: *La Independencia*; Cervantes: *El Cautivo* from *Don Quijote*. Beginning of Spanish Literature; formation and origin of the language.

* Not offered in 1905-1906.

* 2. Intermediate Course.

Open to students who have completed course 1. Three hours a week for a year.

Grammar of the Spanish Academy in Spanish. Prosody and syntax; Spanish Literature, especially authors of Golden Age and modern authors; ballads of *The Cid*; Lope de Vega: *La Estrella de Sevilla*; Calderón: *El Alcalde de Zalamea*; Cervantes: *Don Quixote*; Valera: *Pépita Ximénez*; Pérez Galdós: *Doña Perfecta*; Palacios Valdés: *Marta y María*.

ZOOLOGY AND PHYSIOLOGY

PROFESSOR : MARY ALICE WILLCOX, PH.D.

ASSOCIATE PROFESSOR : MARION ELIZABETH HUBBARD, B.S.

INSTRUCTORS : MARY ALICE BOWERS, M.A.,

CAROLINE BURLING THOMPSON, PH.D.,

MABEL LOUISE ROBINSON.

ASSISTANT : CARRIE MAUD HOLT, B.A.

1. The Biology of Animals.

Open to freshmen and sophomores. Freshmen four hours, all other students three hours a week for a year.

Miss Hubbard, Miss Robinson, Miss Holt.

This course is an introduction to the whole field of Zoology and aims also to give that broad knowledge of animal life which is a part of general culture. It is conducted by lectures, laboratory and field work. Through a study of a series of types of invertebrates and one vertebrate, the frog, the student becomes familiar with the general plans of structure, and their relations to one another, also with the physiology and life histories of these animals. Throughout the course emphasis is laid on the fundamental biological principles, such as adaptation, symmetry, homology, variation and evolution. Field work includes a study of the common insects in the fall and of birds in the spring; one hour a week is given during the second semester to the latter subject.

2. General Zoology.

Open to sophomores, juniors, and seniors. Three hours a week for a year.

Miss Willcox.

Comparative study of all the great groups (phyla) of animals, beginning with unicellular organisms and concluding with the higher groups.

* Not offered in 1905-1906.

ing with mammals. Also a few lectures on vertebrate embryology.

This course aims to present the outlines of animal structure and classification, and to give familiarity with the commoner forms.

Courses 1 and 2 together will meet the admission requirement in biology of the Johns Hopkins Medical School.

3. Anatomy of the Cat.

Open to juniors or seniors who have completed course 1 or course 2. Three hours a week for the first semester.

Miss Hubbard.

This course is intended to train students in careful dissection. It is especially fitted for those who intend to study medicine. Constant reference will be made to human anatomy, and a lightening of the ordinary course in that subject in a medical school can be effected by taking this work.

4. Embryology of the Chick.

Open to juniors or seniors who have taken or are taking course 2. Three hours a week for the second semester.

Miss Hubbard.

This course, by a thorough study of the development of the chick, introduces the student to the general principles of embryology. Training is given in the mounting of embryos and in the preparation of serial sections.

† * 5. Natural History of Animals.

Open to juniors or seniors who have completed or are taking course 2. Three hours a week for a year.

Miss Willcox.

Collection and classification of animals; study of habits; readings in natural history; excursions to neighboring museums; microscopic mounts of minute animals and of parts which are of taxonomic importance.

* Not offered in 1905-1906.

† Courses 5 and 6 are alternate courses; course 9 is offered in alternate years.

‡ 6. Zoological Seminary.

Open under the advice of the professor to students who have completed two full courses. Three hours a week for a year.

Miss Willcox.

Readings and discussions of Darwin, and leading post-Darwinian authors. One careful paper on a biological subject prepared by each student.

9. Animal Histology and Histological Technique.

Open to juniors or seniors who have completed course 1 or course 2. Three hours a week for a year.

Miss Thompson.

A study of the microscopical anatomy of the cell, tissues, and organs. Laboratory work includes a training in the methods of making mounted preparations, a certain number of which are required from each student. Lectures are upon the comparative structure and the evolution of the cell and the tissues.

* 10. Animal Physiology.

Open to students who have completed course 1 or course 2. Three hours a week for a year.

Lectures and laboratory work dealing with experimental and theoretical questions in physiology, such as the structure and action of muscle, nerves, blood vessels, the heart, blood, the formation and action of digestive juices, excretion, metabolism, the special sense organs, the brain, etc. Each student arranges and uses the apparatus necessary for almost all experiments; but some of the more difficult are performed by the instructor, assisted in turn by the different members of the class.

* Not offered in 1905-1906.

‡ Courses 5 and 6 are alternate courses; course 9 is offered in alternate years.

PHYSICAL TRAINING

The Gymnasium is equipped with apparatus for Swedish gymnastics. The lake, playground, hockey field, tennis and basket ball courts furnish opportunity for Sports and Pastimes, under the supervision and instruction of the Director of Physical Training. The boathouse gives shelter to barges for the class crews and to many private boats. A swimming pool has been formed by enclosing with floats a portion of Lake Waban. Adjoining the swimming pool and boathouse is a small bath house furnished with shower baths.

Three hours per week of physical training are required of freshmen and sophomores. Each student on entrance receives a thorough physical examination which includes measurements and strength tests. This examination is repeated at stated intervals during the college course.

The requirement in physical training is met in the spring and fall terms by walking and outdoor sports; in the winter term by gymnastics and dancing, supplemented by walking and winter sports. The form and amount of exercise are prescribed or advised, on the basis of physical examination, to meet the need of the individual; therefore, no student is excused from the requirement.

A limited number of upper-class students is accommodated in the Gymnasium.

Instruction in swimming, riding, and fencing can be obtained in schools near Wellesley.


COLLEGE EXAMINATIONS

An examination period occurs at the end of each semester. At these periods, and also during the days of the admission examinations in September, examinations for the removal of conditions and deficiencies and for advanced standing may be taken.

A student who wishes to take an examination upon a course which is not a part of her approved schedule for the year, must

apply to the Dean for the requisite card of admission to the examination. The last day for receiving applications for such cards is *for the September examinations, September first; for the mid-year examinations, January fifteenth; for the June examinations, June first.*

N. B. Examinations for the removal of conditions and deficiencies excepted, no student can be admitted to examination upon a course which is not a part of her approved schedule for the year without permission both from the head of the department concerned and the Dean of the College. *No student, therefore, should enter upon preparation for such an examination until her plan has been approved by both of the above named officers.*

 The College reserves the right to require the withdrawal of students whose scholarship is not satisfactory.

DEGREES

The following degrees are conferred by the Trustees upon recommendation of the Academic Council :—

Bachelor of Arts.

Master of Arts.

REQUIREMENTS FOR THE B.A. DEGREE

Every candidate for the B.A. degree must complete before graduation the equivalent of fifty-seven one-hour courses.* Since 1896, two grades in work which reaches the passing mark have been distinguished: one, "*Passed*"; the other, "*Passed with Credit*." In order to be recommended for the degree of Bachelor of Arts, a student must have "passed with credit" in at least thirty-three hours, of which nine hours have been accomplished in the senior year. First-year French and first-year German may not *both* be counted among the fifty-seven hours. *Neither* first-year French nor first-year

* A one-hour course is a course given once a week for one year.

German may be so counted if taken after the sophomore year, and neither second-year French nor second-year German if taken after the junior year. Of the fifty-seven hours required for the B.A. degree, a certain number is prescribed, the rest elective.

I. PRESCRIBED. Courses in the following subjects are required as specified :—

Mathematics, one full course † ; Philosophy, one full course ; Physiology and Hygiene, one one-hour course* ; Biblical History, the equivalent of four one-hour courses ; English, the equivalent of four one-hour courses ; Language, one full course ; Natural Sciences, two full courses. The science courses must be in different departments. If a student offers science for admission, only one full course of natural science is required in college.

Of the required subjects, Mathematics must be taken in the freshman year ; Physiology and Hygiene in the freshman year ; Biblical History two hours per week in the sophomore and the junior years ; English two hours per week in the freshman and the sophomore years. Of the natural sciences, one must be taken before the junior year, the other may be elected at any time during the course ; language may be taken in any year, but either a language or a science must be taken in the freshman year. Philosophy should ordinarily be taken before the senior year.

II. ELECTIVE. All of the fifty-seven hours not indicated in the above are elective, subject only to the restriction that the equivalent of eighteen one-hour courses must be taken in one of the following ways :—

- (a) Nine in each of two subjects, related or unrelated.
- (b) Nine in one subject, with nine divided between two tributary subjects.
- (c) Twelve in one subject, with six in a tributary subject.

* A one-hour course is a course given once a week for one year.

† A full course is a course given either three or four times a week for one year.

(d) Twelve in one subject, with six divided between two tributary subjects.

N. B. In meeting this requirement not less than one full course may be offered in any subject.

In general, prescribed subjects may be counted in making up these eighteen hours; but course 1 in French, course 1 in German, and course 13 in Greek may not be so counted.

Except by special permission, a student may not take fewer than ten or more than fifteen hours per week in any one year.

REQUIREMENTS FOR THE M.A. DEGREE

Candidates for the degree of Master of Arts must be graduates of Wellesley College, or of some other institution of satisfactory standing, and must give evidence of ability to carry on the work for the Master's degree.

The amount of work required of candidates for the Master's degree consists of the equivalent of from nine to twelve one-hour courses chosen from the courses described in the Circular of Graduate Instruction, and in addition either a thesis or a report or reports on one or more pieces of independent work. The student should choose one major subject, and not more than one minor subject, which should be related to the major; or she may, if she prefers, do all her work in one subject. Beginning with June, 1907, a candidate for the Master's degree will be required to show such a reading knowledge of French and of German as is satisfactory to the department in which the major subject is taken.

One year is the shortest time in which a candidate can complete the work required, but it must be understood that only students of ability and maturity will be able to finish it in so short a time.

The work for the degree of Master of Arts will be tested by either examination or thesis, or by both. Rules regarding examinations of resident students are fully stated in the graduate circular. Non-resident students will be examined in

Wellesley during some one of the regular examination periods of the year in which the degree is to be conferred.

Thirty scholarships, as described on page 133, are open to accepted candidates for the Master's degree not residing in college buildings. Applications for these scholarships should be accompanied by records of standing, and, if possible, by papers or reports of work. Candidates residing in the college buildings will pay the full charge for board and tuition. Upon receiving the Master's degree a fee of twenty-five dollars will be required of each candidate.

Graduate students who have done the entire work for the Master's degree in non-residence are accepted as candidates for this degree only when this work has been done at some institution which does not grant the Master's degree to women, but they may under certain conditions do a portion of the work at any approved institution, including those which grant the Master's degree to women, provided that the remainder is done at Wellesley. Preparation for the degree by private study is not permitted. The diploma fee is the same for resident and for non-resident students.

Circulars containing fuller information concerning graduate work will be forwarded on application to the *Dean of the College*. It is important that applications for admission as graduate students be received by June 1st of the year in which the student wishes to enter.

EXPENSES

TUITION

The charge for tuition to all students, whether living in college buildings or not, is \$175 a year. Tuition is payable in advance and *is not subject to return or deduction*.

Students who are permitted to take *seven hours or less* of classroom work a week, and *who do not live in college buildings*, pay tuition by the course as follows: for a one-hour course, \$20; a two-hour course, \$40; a three-hour course, \$60. Payment is due at the beginning of the year. No charge is made for tuition in Biblical History.

TUITION AND OTHER CHARGES IN DEPARTMENT OF MUSIC

For instruction for the college year in Pianoforte, Organ, or Violin, two lessons a week . . .	\$100 00
One lesson a week	50 00
(Lessons forty-five minutes in length.)	
Two half-hour lessons a week	7 00
For instruction for the college year in Vocal Music, two lessons a week	100 00
(Lessons thirty minutes in length.)	
For use of the Pianoforte, sixty minutes daily, for the college year	10 00
For two and three hours daily, in proportion.	
For use of the Pipe Organ in Music Hall, sixty min- utes daily, for the college year	15 00
For two or three hours daily, in proportion.	

Special arrangements may be made for lessons on instruments not mentioned above.

Tuition in music must always be paid in advance and is not subject to return or deduction.

BOARD

The charge for board to students living in the dormitories belonging to the College is as follows: (a) to students *who were in attendance during 1904-1905 and who entered previous to September, 1904*, \$225 a year; (b) to all students *who entered in September 1904, or thereafter*, \$275 a year.

☞ It will be seen from the above statements that the total annual charge (for both board *and tuition*) is to students *in the first case* (a), \$400; to students *in the second case* (b), \$450.

FIXED TIMES AND AMOUNTS OF PAYMENTS

1. *For students who are lodged in college buildings.*

(a) Students who are lodged in college buildings and who are charged for board *at the rate of \$225 a year* (see preceding paragraph headed "Board") make payments as follows:—

September (at the opening of college)	\$250
February (at the beginning of the second semester)	150
	<hr/>
Total of these payments for the year (a) . .	\$400

(b) Students who are lodged in college buildings and who are charged for board *at the rate of \$275 a year* (see preceding paragraph headed "Board") make payments as follows:—


September (at the opening of college)	\$250
February (at the beginning of the second semester)	200
	<hr/>
Total of these payments for the year (b) . .	\$450


The charge for board begins at the opening of dormitories, *i. e.*, twenty-four hours before the close of registration (see page 5), and students are not permitted to occupy rooms in dormitories before that time.

2. *For students who are not lodged in college buildings.*

Students who are not lodged in college buildings make the whole tuition payment (\$175) at the time of the opening in September.

These students find rooms and board in the village of Wellesley. Payment is made to the head of the house at such rates and times as the parties to the contract may agree upon. Information regarding boarding places may be obtained by addressing the Registrar.

 *Payments must be made before the student can take her place in the class room. No exception will be made to this rule without a written permission from the Treasurer.*

 *Checks or money orders should be made payable to Wellesley College.*

FEEES


An application fee of \$10 is required from all candidates for admission, and no application is recorded until the fee is received (see page 130). The same fee is required from all students in college who are intending to return for the following year, and from all former students who apply for re-admission. If the student enters college, the amount of the registration

fee is deducted from the first tuition bill after entrance. If formal notice of withdrawal is received at the Dean's office before August 15th of the year for which the application is made, the fee will be refunded. In all other cases it is forfeited to the College. A student who postpones entrance until the year following the one for which she first applied may transfer her application fee. But a fee so transferred will not be refunded if the student later decides to withdraw, unless the request for the transfer was received within the specified time. Requests for second transfers are sometimes granted, but a fee transferred a second time will not be refunded under any circumstances.

An additional charge is made for materials and the use of apparatus in the following laboratory courses : \$5 for each laboratory course in Botany, Chemistry, Physics, Zoology, or Astronomy ; \$2.50 for the course in Mineralogy ; \$5 each for courses 9 and 10 in Musical Theory, \$2.50 each for the half courses 11 and 12 ; \$2 each for the studio courses in Art, and \$1 each for all other Art courses. Every student should also reckon on the expenditure of \$10 to \$25 annually for the purchase of books. At the time of taking the degree a diploma fee is charged. This is \$5 for the B.A. degree, and \$25 for the M.A. degree. At the time of taking a certificate, a certificate fee of \$3 is due.

RESIDENCE


College Hall, with three dining rooms, accommodates two hundred and forty-three persons ; Stone Hall, with four dining rooms, one hundred and six ; Pomeroy, seventy-seven ; Cazenove, seventy-seven ; Wilder, fifty-two ; Freeman, forty-nine ; Wood, forty-nine ; Norumbega, forty-seven ; Eliot, thirty ; Simpson, twenty-two ; Fiske, thirty-four. All the rooms are furnished, and supplied with electric lights.

 *A student vacating a room before the close of the year, or relinquishing a room reserved for her at the beginning of the year, will be charged for board until the vacancy has been filled by an incoming student. Therefore, notice of an intention to*

withdraw should be given at the earliest possible moment. No deduction is made for absences during the year.

All applications for rooms in college buildings take the date at which the application fee is received. (See page 128.)

Until May 1st, but not after that date, *applications from former students* will take precedence of those of new students in the matter of rooms. A limited number of students can arrange for board at the College during the Christmas and spring vacations.

 *No student can receive a diploma until a satisfactory settlement of all her college dues has been made.*

HEALTH

The health of students is under the charge of the resident Health Officer and the College Physician. These two officers, with the Director of Physical Training, the Director of Halls of Residence, and the President and the Dean of the College, constitute a Board of Health to which all matters affecting the health of students are referred. Two hospital wards, with the constant attendance of two trained nurses, are maintained in College Hall. There is also an emergency ward in an isolated building. No charge is made for the ordinary services of the Health Officer, College Physician, or resident nurse.

A course in Physiology and Hygiene, one appointment per week for a year, is required of freshmen.

FELLOWSHIPS AND SCHOLARSHIPS

A. FOR GRADUATES

THE ALICE FREEMAN PALMER FELLOWSHIP, yielding an income of about \$1,000, was founded in 1903, by Mrs. David P. Kimball.

The holder of this Fellowship must be a graduate of Wellesley College or some other American college of approved standing, a young woman of good health, not more than twenty-six years of

age at the time of appointment, unmarried throughout the whole of her tenure, and as free as possible from other responsibilities. The same person will not be eligible to the Fellowship for more than two years.

The Fellowship may be used for study abroad, for study at any American college or university, or privately for independent research. But several times during the period of tenure evidence must be furnished that the Fellowship is used for purposes of serious study and not for general culture.

Applications for this Fellowship should be received by the President of Wellesley College not later than March 1, 1906. Further details may be obtained from the President.

SCHOLARSHIPS IN SCHOOLS OF CLASSICAL STUDY.—Studentships in the American School of Classical Studies in Athens, and the American School of Classical Studies in Rome, are open to graduates and graduate students of Wellesley College under the regulations stated below.

The object of these schools is to afford opportunity for the study of classical literature, art, and antiquities, to aid in original research in these subjects, and to conduct the exploration and excavation of classical sites.

The American School of Classical Studies in Athens.—The school year extends from October 1st to June 1st. The regulations for admission are as follows: "Bachelors of Arts of co-operating colleges, and all Bachelors of Arts who have studied at one of these colleges as candidates for a higher degree, shall be admitted to membership in the School on presenting to the Committee a certificate from the classical department of the college at which they have last studied, stating that they are competent to pursue an independent course of study at Athens under the advice of the Director. Members of the School are subject to no charge for tuition."* Further information can be had by application to Professor Chapin, who represents Wellesley College upon the Managing Committee of the School.

The American School of Classical Studies in Rome.—The school year extends from the fifteenth of October to the first of

* A few Fellowships of \$600 each are awarded on competitive examination.

July. The regulations for admission are as follows: "Graduates in arts of American colleges and universities of good standing, and under exceptional circumstances other persons of marked qualifications, may be admitted as students of the School on submitting to the Chairman of the Managing Committee, or to the Director of the School, satisfactory evidence that their previous studies have been of such a character as to fit them to profit by the opportunities that the School offers." * Further information can be had by application to Professor Hawes, who represents Wellesley College upon the Managing Committee of the School.

SCHOLARSHIPS IN THE MARINE BIOLOGICAL LABORATORY AT WOOD'S HOLL.—Wellesley College is entitled to appoint annually two students who may enjoy all the advantages of this Laboratory without expense for tuition. This Laboratory, which is open during the summer for the study of marine life, affords opportunities both to investigators and to persons needing either instruction or direction.

Students in either Botany or Zoology who desire to undertake original work will receive suitable direction. In addition to these opportunities there are courses of lectures on special topics and on subjects of general biological interest. Applications for appointment should state the character of the work to be done,—*i. e.*, whether botanical or zoological, whether general work, investigation under direction, or independent investigation,—and should be forwarded to Associate Professor Ferguson or Professor Willcox in time to reach Wellesley College before April 1st.

SCHOLARSHIPS AT THE ZOOLOGICAL STATION IN NAPLES.—Wellesley College is a subscriber to the support of the American Women's Table at the Zoological Station in Naples, and thus has a voice in the selection of the persons who make use of it. Such persons must be capable of independent investigation in Botany, Zoology, or Physiology. Appointments are made for a longer or shorter period, as seems in each case expedient. Applications for the use of the table may be made through the President of the College.

* A few Fellowships of \$600 each and one of \$1,000 are awarded on competitive examination.

THIRTY SCHOLARSHIPS TO THE VALUE of \$175 A YEAR have been established for the benefit of approved candidates for the M.A. degree in residence at Wellesley. Applications for these scholarships should be addressed to the Dean of the College, Wellesley College, Wellesley, Mass.

B. FOR UNDERGRADUATES

The income of these scholarships is applied to the aid of meritorious students whose personal means are insufficient for their maintenance in college.

THE WOOD MEMORIAL SCHOLARSHIP of \$5,000, founded in 1878, by Caroline A. Wood, in memory of her husband.

THE GROVER SCHOLARSHIP of \$5,000, founded in 1878, by William O. Grover.

THE WESTON SCHOLARSHIP of \$5,000, founded in 1878, by David M. Weston.

THE NORTHFIELD SEMINARY SCHOLARSHIP, founded in 1878.

THE PAULINE A. DURANT SCHOLARSHIP of \$5,000 founded in 1880, by Mr. and Mrs. Durant.

THE SWEATMAN SCHOLARSHIP of \$5,000, founded in 1880, by V. C. Sweatman.

THE WALTER BAKER MEMORIAL SCHOLARSHIP, founded in 1880, by Eleanor J. W. Baker; raised to \$7,000 by will of Mrs. Baker in 1892.

THE ANNIE M. WOOD SCHOLARSHIP, founded in 1880, by Frank Wood.

TWO FROST SCHOLARSHIPS, founded in 1880, by Rufus S. Frost, as follows:—

One of \$1,000, the income to be given annually to some member of the graduating class designated by the Faculty.

One of \$5,000, the income to be devoted annually to the aid of students.

THE UNION CHURCH SCHOLARSHIP of \$5,000, founded in 1880, by Mr. and Mrs. A. W. Stetson.

THE FLORENCE N. BROWN MEMORIAL SCHOLARSHIP of \$5,000, founded in 1880, by Mr. and Mrs. Samuel N. Brown, Jr.

THE AUGUSTUS R. CLARK MEMORIAL SCHOLARSHIP of \$5,000, founded in 1880, by Mr. and Mr. A. N. Clark.

FOUR HARRIET FOWLE SCHOLARSHIPS, founded in 1881, by Henry Fowle Durant, in memory of his mother.

THE DURANT MEMORIAL SCHOLARSHIP of \$5,000, founded in 1883, by the officers and students of Wellesley College, in honor of Henry F. Durant, the income to be appropriated annually to some student selected by the Faculty.

THE JANE TOPLIFF MEMORIAL SCHOLARSHIP of \$6,000, founded in 1883, by Mrs. William S. Houghton, in memory of her mother.

THE INCOME OF A FUND of \$25,000, known as the "Stone Educational Fund," founded in 1884, by Valeria G. Stone.

THE JEANNIE L. WHITE SCHOLARSHIP of \$5,000, founded in 1886, by herself.

THE MR. AND MRS. SOLOMON F. SMITH MEMORIAL SCHOLARSHIP, founded in 1888, by George Smith, for the tuition of students from the town of Wellesley.

THE MARGARET MCCLUNG COWAN FUND, of \$1,000, founded in 1888, by Rev. and Mrs. P. D. Cowan, in memory of their daughter.

THE EMMELAR SCHOLARSHIP of \$5,000, founded in 1889, by the class of '91, the income to be appropriated annually to some student selected by the Faculty.

THE SARAH J. HOUGHTON SCHOLARSHIP of \$6,000, founded in 1889, by William S. Houghton, in memory of his wife.

THE PROVISION OF E. A. GOODNOW, in 1885, through which the sum of \$250 is annually divided among five deserving students.

THE EDITH BAKER MEMORIAL SCHOLARSHIP of \$7,000, founded by bequest of Eleanor J. W. Baker, in 1892.

THE JOSEPH N. FISKE MEMORIAL SCHOLARSHIP of \$8,000, founded in 1892, by Mrs. J. N. Fiske.

THE ABBIE A. COBURN MEMORIAL SCHOLARSHIP of \$2,000, founded in 1892.

THE ELIZA C. JEWETT SCHOLARSHIP of \$6,000, founded in 1894; the income to be appropriated to the daughter of a clergyman, or of a home or foreign missionary, selected by the Faculty of the College.

THE ADA L. HOWARD SCHOLARSHIP of \$6,000, founded in 1895.

THE HELEN DAY GOULD SCHOLARSHIP, founded in 1896, by Helen Miller Gould, in memory of her mother; raised to \$10,000 by Miss Gould in 1901.

THE GOODWIN SCHOLARSHIP of \$5,000, founded in 1897, by Hannah B. Goodwin.

THE HYDE SCHOLARSHIP of \$2,000, founded in 1898, by Sarah B. Hyde.

THE BILL SCHOLARSHIP of \$7,000, founded in 1898, by Charles Bill.

THE HOLBROOK SCHOLARSHIP of \$3,000, founded in 1898, by Sarah J. Holbrook.

THE (SECOND) HELEN DAY GOULD SCHOLARSHIP, founded in 1899, by Helen Miller Gould; raised to \$10,000 by Miss Gould in 1901.

THE MARY ELIZABETH GERE SCHOLARSHIP of \$5,000, founded in 1899, by Mary Elizabeth Gere.

THE ANN MORTON TOWLE MEMORIAL SCHOLARSHIP FUND of \$5,000, established in 1901, by bequest of George Francis Towle.

THE DANA SCHOLARSHIP of \$5,000, founded in 1901, through the gift of Charles B. Dana.

THE (THIRD) HELEN DAY GOULD SCHOLARSHIP of \$10,000, founded in 1901, by Helen Miller Gould.

THE GEORGE WILLIAM TOWLE MEMORIAL SCHOLARSHIP FUND, founded in 1901, by bequest of George Francis Towle.

THE ANNA PALEN SCHOLARSHIP of \$10,000, founded in 1902.

THE ROLLINS SCHOLARSHIP of \$8,000, founded in 1903, by Augusta and Hannah H. Rollins, in memory of their parents.

THE MEMORIAL SCHOLARSHIP of \$1,000, founded in 1904, by the class of 1889, in memory of classmates who have died.

THE ELIZABETH S. FISKE SCHOLARSHIP of \$5,000, founded in 1904, by bequest of Miss Fiske.

THE MAE MCELWAIN RICE MEMORIAL SCHOLARSHIP, founded in 1905, by the class of 1902.

THE SANBORN ALUMNÆ SCHOLARSHIP yielding \$450 annually, founded in 1905, by Helen J. Sanborn of the class of 1884, for the benefit of daughters of Alumnæ.

Another source of pecuniary aid is in the work of the Students' Aid Society. Small amounts are loaned to students without interest in the expectation that whenever they are able, these students will repay the Society. Assistance is often given partly in gifts and partly in loans. The funds at the disposal of the Society are wholly insufficient to meet the wants of applicants. Contributions of any amount will be gladly received, and should be sent to the Treasurer of the Society, Mrs. Pauline A. Durant, Wellesley, Mass.

All applications for assistance should be made by letter, addressed to the Secretary of the Students' Aid Society, Wellesley, Mass., before the first of May preceding the college year for which the aid is needed.

In two cottages a reduction of \$100 is allowed on payment for board under certain conditions.

LIBRARY

THE LIBRARY of the College, endowed by Eben Norton Horsford, now numbers 58,495 volumes, including the Departmental and Special Libraries enumerated below. The General Library is open on week days from 8 A. M. to 9.30 P. M., and on Sundays from 9 to 11 A. M. and from 2 to 6 P. M. Students have direct access to the shelves. The library is catalogued by author and subject entries, and the most recent and useful bibliographical aids are provided; special effort is made by the librarians to train students in methods of research.

The Library subscribes for five daily and four weekly papers and for one hundred and sixty-five American and foreign periodicals. The list includes the most important representatives of the branches of instruction comprised in the college curriculum.

THE GERTRUDE MEMORIAL LIBRARY, established by Mr. A. A. Sweet, the MISSIONARY LIBRARY, and other collections in the General Library, furnish 4,733 volumes for Biblical study and religious reading.

THE LIBRARY OF AMERICAN LINGUISTICS, a special gift from Mr. Horsford, numbering 1,420 works, comprises the valuable collections of Major J. W. Powell and Mr. Horsford relating to North American Indian languages.

THE PLIMPTON LIBRARY, established by Mr. George A. Plimpton in memory of his wife, Frances Pearsons Plimpton, of the class of 1884, comprises 737 volumes of early Italian literature, including both manuscripts and printed books of the fifteenth century.

THE MUSIC LIBRARY, in Billings Hall, includes a collection of manuscripts and musical scores, besides books on music.

The following collections are placed in the laboratories of the respective departments:—

Art Library, 1,828 volumes.

Library of Botany, 2,063 volumes.

Library of Physics and Astronomy, 2,584 volumes.

Library of Zoology and Physiology, 2,046 volumes.

Library of Chemistry, 1,242 volumes.

THE FARNSWORTH ART BUILDING AND ART COLLECTIONS

The Farnsworth Art Building, the gift of the late Isaac D. Farnsworth, was opened in September, 1889. Besides a lecture room, galleries for collections, and studios for those engaged in drawing and painting, a special feature is the arrangement of laboratories and libraries, so that the books and art material relating to particular subjects and periods can be made immediately available to general students.

The Art Collection consists of a large number of photographs and other material, including among others original pieces of antique sculpture from the Day Kimball Fund; the James Jackson Jarves collection of laces and vestments; a collection of Indian baskets, the gift of Mrs. Rufus S. Frost, and the Stetson collection of modern paintings.

Over five thousand photographs have been added to the art collections during the past six years.

EQUIPMENT IN MUSIC

Music Hall and Billings Hall are large brick buildings devoted entirely to the department of Music. Music Hall has an adequate equipment of instruments for students' use, a room for choral practice, and thirty-eight practice rooms of good size. Organ instruction is given not only on the older type of organ, but also on two large, three-manual electric organs embodying the latest principles of organ construction. Constant reference will be made to the use of the organ in church.

Billings Hall, built in 1904, contains the offices of the department of Music, the library and class rooms for instruc-

tion in Musical Theory; also a concert room seating four hundred and twenty-five people, and containing the Grover organ, a large, three-manual organ, rebuilt and modernized.

LABORATORIES AND SCIENTIFIC COLLECTIONS

ASTRONOMY

The Whitin Observatory is supplied with a twelve-inch refracting telescope with micrometer, spectroscope, and photometer attachments; a six-inch telescope, also with driving clock and micrometer; a three-inch broken-transit, a chronograph, clocks, a concave grating spectroscope, and a collection of minor instruments and photographs.

Meteorological instruments, including thermometer shelter, thermograph, barograph, anemometer, and anemoscope, are installed at the observatory.

BOTANY

For the use of students in morphological, histological, and physiological work there are four laboratories, each of which is thoroughly equipped for its special purpose. The laboratory for advanced work has also the necessary physical and chemical apparatus, and such other appliances as are requisite to enable students to carry on independent research.

The collections illustrative of botany include the herbarium, containing upward of eight thousand phanerogams and about seven thousand and five hundred cryptogams; a generic collection mounted under glass; a collection of woods, fruits, and economic vegetable products, and a set of drugs fully illustrating the pharmacopœia; two hundred charts by Henslow, Kny, Dodel, Tschirch, and others; a collection of Auzoux's botanical models, illustrating the structure of both flowering and flowerless plants; Brendel's glass models of cryptogams; a collection of lantern slides.

In addition to the working collections a permanent museum is being arranged, which now numbers more than five thousand specimens.

CHEMISTRY

The department of Chemistry occupies a separate building, which contains two lecture rooms and the chemical library in addition to the rooms fitted up for laboratory work. Separate rooms are provided for work in General and Organic Chemistry, Qualitative and Quantitative Analysis, Air and Water Analysis, and Food Analysis. The building is conveniently arranged and well equipped with necessary apparatus and appliances.

GEOLOGY AND MINERALOGY

The mineralogical specimens are arranged in three collections. One collection is exhibited in glass cases, and illustrates the variety and finer qualities of mineral specimens; also by its arrangement with labels for the groups into which it is divided, it shows the classifications of minerals, and, to some extent, their association.

Another collection is used for reference. It contains well-characterized specimens of the more common species. The specimens are labeled and arranged in drawers, and the collection is always accessible to students taking Mineralogy.

There is a third collection, which is used for teaching purposes. It comprises smaller but well-selected specimens, which are systematically arranged in small wooden trays with numbers, but without labels. During an exercise each student has one of these trays, which presents objectively the subject of the lesson.

The room containing these collections is supplied with tables equipped with appliances for testing specimens and laboratory work.

The geological collection of specimens used in teaching the kinds of rock, rock structures, the fossil evidences of life and their succession in past times, is so arranged in cases and labeled that it permanently illustrates these topics.

MATHEMATICS

The collection of mathematical models consists of a set of models of simple solids, surfaces of the second and higher orders, and circular sections of surfaces of the second order. They are executed in wood, thread, card, and plaster.

PHYSICS

The department of Physics occupies a convenient lecture room, provided with arrangements for sunlight and lantern projection and adequate apparatus for illustrative experiments.

Laboratories for students are equipped with instruments adapted to a wide range of work. Rooms are especially fitted for photometry, photography, spectroscopic work, and electrical measurements. A workshop is provided with lathe and tools. Storage batteries and dynamos are connected with the laboratories.

PSYCHOLOGY

The work of the laboratory is carried on in seven rooms (including a dark-room) with electrical connections. The equipment includes electric-motor color mixers, a campimeter, a Wheatstone stereoscope, the Hering simultaneous contrast apparatus, sonometers, König tuning-forks, Quincke's tubes, Galton's piston whistle, Zwaardemaker's clinical and fluid-mantle olfactometers, with a large collection of smell material, æsthesiometers, a pressure balance, the apparatus of Münsterberg and of Titchener for the localization of sound, Jastrow's memory apparatus, vernier chronoscopes, a pneumograph, a plethysmograph, sphygmographs of different forms, a finger-dynamometer, an automatograph, tambours, kymographs, electric motors, an electric tuning-fork, Lough's electrically actuated pendulum, Mälzel's mercury contact metronome, etc., besides apparatus for special investigations. Students have the use of models of the brain, eye, and ear.

ZOOLOGY

There are three laboratories for the study of Zoology and Animal Physiology. They are equipped with microscopes, microtomes, incubator, and the more special pieces of apparatus for physiological work.

The Zoology Museum contains a typical collection of both vertebrates and invertebrates, and a considerable number of models by Ziegler, Blaschka, Auzoux, and Deyrolle. There are also excellent collections of the local birds and of insects.

NEEDS OF THE COLLEGE

Wellesley College, established by private benevolence, entered upon its work with a costly material equipment, but with no endowment in money.

The endowment of the library by Mr. E. N. Horsford, the later contributions of Mr. Rockefeller and others to general and special endowment, have greatly relieved the burden resting upon the College. Yet to-day the receipts from board and tuition fees form the main resource with which to meet running expenses and annual repairs, and to make those additions to apparatus and buildings which are demanded by the constant advance and expansion of college instruction throughout the country.

It must be evident that the past outlay has been amply justified by results. Notwithstanding the peculiar dependence of the College upon the number of students admitted and retained, the first thirty years of its existence have been attended by a constant rise in the academic standard. From Wellesley have been graduated nearly twenty-seven hundred young women, who have carried the fruits of their college training into the schools and households of their country, and into benevolent work at home and abroad. It is believed that the College can with full confidence appeal to the public at large for further aid..

Among the urgent needs of the College are the following :—

1. Unrestricted funds for defraying general expenses.
2. A library building.
3. A science building.
4. A gymnasium building.
5. The endowment of the presidency and professorships.

FORMS OF BEQUEST

I give and bequeath to Wellesley College, a corporation established by law, in the town of Wellesley, county of Norfolk, and Commonwealth of Massachusetts, the sum of _____ dollars, to be safely invested by it, and called the _____ Endowment Fund. The interest shall be applied to the payment of the salaries of teachers in Wellesley College, as the Trustees shall deem expedient.

I give and bequeath to Wellesley College, a corporation established by law, in the town of Wellesley, county of Norfolk, and Commonwealth of Massachusetts, the sum of _____ dollars, to be appropriated by the Trustees for the benefit of the College in such manner as they shall think will be most useful.

I give and bequeath to Wellesley College, a corporation established by law, in the town of Wellesley, county of Norfolk, and Commonwealth of Massachusetts, the sum of _____ dollars, to be safely invested by it, and called the _____ Scholarship Fund. The interest of this fund shall be applied to aid deserving students in Wellesley College.

DEGREES CONFERRED IN 1905

MASTER OF ARTS

GRACE LOUISE COOK (B.A., Wellesley College, 1899), *English and Philology.*

Thesis: A Glossary to the Middle English Romance, Cheulere Assigne.

GRACE EVANGELINE DAVIS (B.A., Wellesley College, 1898), *Physics and Applied Mathematics.*

Thesis: On the Nature of the Radiations Given out by Certain Specimens of Uranium and Radium Salts.

MARY ALICE EMERSON (B.A., Wellesley College, 1892), *English Literature.*

Thesis: The Influence of Molière on Dryden.

ISABELLA HOWE FISKE (B.A., Wellesley College, 1896), *English Language and Literature.*

Thesis: Christina Rossetti. Her Poetic Achievement.

ISABELLA THOMPSON MACHAN (B.A., Wellesley College, 1887), *History and Greek.*

Thesis: The Responsibility of the Whig Statesmen for the American Revolution.

GERTRUDE CLARA SCHÖPPERLE (B.A., Wellesley College, 1903), *German and English.*

Thesis: Friedrich Nietzsche. Versuch einer Betrachtung und Kritik seiner Lebensanschauung.

HETTY SHEPARD WHEELER (B.A., Wellesley College, 1902), *Music and Psychology.*

Thesis: The Operatic Overture. Its History, Musical Structure, and Æsthetic Relation to the Opera Itself.

BACHELOR OF ARTS

MARIE LOUISE ABBOTT.

MARY BRUCE ALLEN.

WINIFRED CORNELIA BAKER.

EDITH PREBLE BALL.

HAZEL BARTLETT.

FLORENCE EMERY BECK.

MABEL BISHOP.

JULIETTE CORYELL BOSTWICK.

RUTH PERKINS BRADFORD.

MARY ALICE BRECK.

RACHEL BANCROFT BROOKS.
HELEN LUCRETIA BROWN.
ISABEL CARSWELL BROWN.
CLARA HARDING BRUCE.
HATTIE LOUISE BRUNQUIST.
ALICE VINT BUCHANAN.
EMMA MAY CALHOUN.
ELIZABETH LEWIS CAMP.
FLORENCE CANTIENY.
BESSIE COE CHAMPNEY.
OLIVE LEE CHAPMAN.
CLARA SEAMAN CHASE.
RUTH LINDA CHIPMAN.
ALICE ELIZABETH CLAUSE.
ELIZABETH COLE.
MAUDE WINIFRED COLLIER.
ABBIE HARRISON CONDIT.
MARION CONWAY.
HELEN DODD COOK.
ADA STURGES COUILLARD.
LENA LAIGHT COWAN.
HENRIETTA MEAD CRANE.
RUTH SUSAN CROSBY.
RACHEL CURREY.
LUCY SACKETT CURTISS.
HELEN LOUISE DANIELS.
BLANCHE MILDRED DARLING.
EMMA GREENWOOD DEBOW.
OLIVE CORNELIA DEWEY.
JOSEPHINE DIBBLE.
CLARA ADA DILMAN.
MARIA LOUISE DOWD.
GERTRUDE FRANCENA EATON.
JANE SPRAGUE EATON.
JEANNETTE ECKMAN.
LOUISE EISENBERG.
IDA LECK ELLISON.
MABEL ELIZABETH EMERSON.
HELENA ELIZABETH DAMAI FARMER.
AMY FELMLY.
GERTRUDE HORTON FISHER.
GRACE ELLEN FISHER.
ETHEL HOWLAND FOLGER.
HARRIET ANGELINE FOSS.
RUTH EDNA FRANCISCO.
LUNA KNIGHT FRENCH.
ELIZABETH FULTON.
NINA DIADAMIA GAGE.
MARY BERENICE GALLUP.
CHARLOTTE YALE GARDNER.
CHARLOTTE GERHARD.
ESTHER PRESTON GIBES.
MARY HANNA GILLESPIE.

CAROLINE EMMA GILPIN.
ANNA ESTELLE GLANCY.
MYRTLE STEWART GOODMAN.
MABEL ROWLANDS GORDON.
CLARA BELLE GREEN.
LOUISE PHILLIPS GREENE.
RUTH GREENE.
BESSIE CHARLOTTE GROVER.
AMY LANDON GURLITZ, JR.
JESSIE DALZIEL HALL.
BESSIE CADMUS HALSEY.
ANNA WELLINGTON HAMBLIN.
CORINNE FLORENCE HAMILTON.
MATIE LOUISE HARDISON.
ELISABETH HARDMAN.
RUTH HAULENBEEK.
EVELYN EUNICE HEWITT.
LAURA ALANDIS HIBBARD.
BERTHA HIGMAN.
CORA MAUD HILLERY.
CORA JEFFERSON HOGAN.
ELIZABETH SUMNER HOLDEN.
ELEANOR ADELINE HOLLICK.
EDNA DARLING HOLMES.
MAUD LOUISE HONEYMAN.
CECILE FLORENCE HOUGHTON.
NELLIE ADELE HUBBS.
FLORA LOOMIS HUMPHREY.
GRACE CAROLINE HUMPHREY.
BONNIE MARIE HUNTER.
IDA HUTCHINSON.
MAY LOUISE JACOBS.
HELEN LA DORA JEFFERIS.
GRACE ALICE JOHNSON.
HELEN MARIE JOHNSTON.
FRANCES MATSELL JUDKINS.
BESSIE EDNA KAST.
ELIZABETH KELLOGG.
MARY ELIZABETH KELLY.
EDITH MAUD KINGSBURY.
SALLY GERTRUDE KNIGHT.
EDITH JENNINGS KNOWLTON.
JESSIE LOUISE KNOWLTON.
ANTOINETTE KNOX.
CARRIE LUELLA KNOX.
GRACE DARLING KNOX.
ESTHER EVERETT LAPE.
ELIZABETH ELEANORA LEONARD.
GERTRUDE LEWIS.
EVA FAY LITTLE.
EUGENIE KEATING LODWICK.
LOUISE MAYERS LOOS.
MARY EMERSON LOVEJOY.

ELIZA JANE McCAGUE.
MARY KATHARINE McCAGUE.
FLORENCE HALL McCORMICK.
MARGARET EVANGELINE MCCOY.
LENA JANE MCCURDY.
JEANNIE LOUISE MCINTYRE.
MARY MARIA MACKIE.
FLORENCE MAINHARDT.
ELLEN RUSSELL MANCHESTER.
ELIZABETH LEBRETON MARSTON.
FLORENCE AGNES MARTIN.
JANET MAXWELL.
EMMA HARPER MILLER.
MARIE HAMMOND MILLIKEN.
LALLIE JOE MOODY.
JULIA BURNHAM MORGAN.
MARIE JANET MORROW.
ETHEL ALMIRA MORSE.
ADRIENNE FLORENCE MUZZY.
MARY HESTER NEAL.
CAROLYN PEYTON NELSON.
OLIVE ADAIR NEVIN.
KATHARINE NORTHROP NOBLE.
HELEN RICH NORTON.
EDNA MAY ORVIS.
RACHEL WITTER PFLAUM.
MARY OOLAITA PHILIPPS.
HELEN CUTTER PILLSBURY.
ANNA WOODBURY PINKHAM.
ISABELLA SAMPSON PINKHAM.
HELEN FRANCES POTTER.
JULIET JAMESON POYNTER.
ETHEL FOSTER REED.
SARA ALLEN REED.
ROBY JESSIE REYNOLDS.
MARY CLEAVES RICHARDSON.
ETHEL ADELE RICKER.
FLORENCE RISLEY.
HELEN LOUISE ROBERTSON.
RUTH DE ROCHEMONT.
JULIA CHARLTON ROCKWELL.
HARRIET ROLLINS.
EDITH ROTHERMEL.
BERTHA EDETHA RYAN.
HELEN ANGELIA SAWYER.
MARGUERITE KITCHENMAN SCANLIN.

MABEL SEAGRAVE.
MARIE LOUISE SEWARD.
GEORGINA WASHINGTON SILLCOX.
FRANCES CLYDE SMALL.
AGNES HUSSEY SMITH.
OLIVE BRANUM WOODWARD SMITH.
ROSE ETHEL SPENCE.
CORA BELLE SQUIER.
MARIAN STANSFIELD.
JESSIE SYBELLA STEANE.
ALICE ALBERTA STEARNS.
ABBIE OTIS STODDARD.
ISABELLE STONE.
MARY AGNES CURR STRACHAN.
EDNA PEARL STROHM.
ETHEL VAN ZANDT SULLIVAN.
EDNA SUMMY.
MAIA ROBINSON SYKES.
LOUISE EMMA SYLVESTER.
HELEN THOMAS.
LAURA PARSONS THOMAS.
MIRIAM HUNT THRALL.
MARY EVELYN TOWNSEND.
BESSIE TROVILLO.
BESSIE HOLMES TUCKER.
HILDA ALFORD TUFTS.
VERA TURNER.
ALMA GERTRUDE TYLER.
MARGUERITE FLORENCE VENN.
RUTH ALICE WALCOTT.
BERTHA WALDO.
HELEN WATSON.
ETHEL PHOEBE WAXHAM.
LAURA ADELLA WELCH.
EMILY POTTER WELLS.
GLADYS WELLS.
BLANCHE HOWARD WENNER.
ZELLA WENTZ.
GERTRUDE EDITH WILLIAMS.
KATE GEORGIA WILSON.
FLORA JANET WOLFSON.
AGNES ROLLIT WOOD.
FLORENCE WOODRUFF.
SARAH JONES WOODWARD.
ANNA MARTHA YOUNG.
JULIET PAULINE ZIMMERMANN.

HONOR SCHOLARSHIPS

Honor Scholarships (without stipend) have been established by the College for the purpose of giving recognition to a high degree of excellence in academic work. These honors fall into two classes: students in the first, or higher class, are termed Durant Scholars; students in the second class are termed Wellesley College Scholars.

These honors are awarded to seniors on the basis of two and one-half years' work, to juniors on the basis of one and one-half years' work. The standard in each case is absolute, not competitive.

DURANT SCHOLARS

APPOINTED IN 1905

MARY LEE CADWELL, '06.
HELEN DODD COOK, '05.
FLORENCE ARVILLA COPP, '06.
MARY JESSIE GIDLEY, '06.
LAURA ALANDIS HIBBARD '05.
HELEN MARIE JOHNSTON, '05.
ANTOINETTE KNOX, '05.
ELLEN RUSSELL MANCHESTER, '05.

SUSAN MAREA MARKEY, '06.
EDNA MAY ORVIS, '05.
ELSIE FRANCES PITKIN, '06.
ISABELLE STONE, '05.
LOUISE EMMA SYLVESTER, '05.
MARGUERITE FLORENCE VENN, '05.
MARY ELEANOR WATKINS, '06.
ETHEL PHÆBE WAXHAM, '05.

WELLESLEY COLLEGE SCHOLARS

APPOINTED IN 1905

HAZEL BARTLETT, '05.
FLORENCE EMERY BECK, '05.
RACHEL BANCROFT BROOKS, '05.
CLARA HARDING BROOKS, '05.
MABEL GRAY BURDICK, '06.
MARY FLORENCE CURTIS, '06.
LUCY SACKETT CURTISS, '05.
SARAH ELISE EUSTIS, '06.
ELEANOR EVERETT FARRAR, '06.
EDITH FLICKINGER, '06.
FLORENCE REYNOLDS FOOTE, '06.
JENNIE GERTRUDE FRANCIS, '06.
OLIVE GREENE, '06.
EDNA DARLING HOLMES, '05.
CECILE FLORENCE HOUGHTON, '05.
GRACE CAROLINE HUMPHREY, '05.
OLIVE HUNTER, '06.
MAY LOUISE JACOBS, '05.

CATHARINE BALDERSTON JONES, '00.
MYRA CANNON KILBORN, '06.
LENA JANE MCCURDY, '05.
JANETTA GRANT MCGREGOR, '06.
ALICE EDGARTON MCQUEEN, '06.
FLORENCE MAINHARDT, '05.
ETHEL ALMIRA MORSE, '05.
CAROLYN PEYTON NELSON, '05.
ELIZABETH GARFIELD OGDEN, '06.
EDITH MOSS RHOADES, '06.
CLAIRE SAMPSON, '06.
MARIE LOUISE SEWARD, '05.
ALMA ESTELLA SHIMER, '06.
CORA BELLE SQUIER, '05.
ABBIE OTIS STODDARD, '05.
HELEN MILLICENT WILLIAMS, '06.
FLORA JANET WOLFSON, '05.

SUMMARY OF STUDENTS

Resident candidates for the M.A. degree . . .	17
Candidates for the B.A. degree:—	
Seniors	202
Juniors	253
Sophomores	274
Freshmen	343
	<hr/> 1072
Non-candidates for degrees	7
Total registration, November, 1905	1096

United States :—		Texas	7
Massachusetts	323	Indiana	6
New York	146	Kansas	6
Pennsylvania	111	Washington	5
New Jersey	71	District of Columbia	4
Illinois	57	North Carolina	3
Ohio	55	West Virginia	3
New Hampshire	39	Alabama	2
Maine	36	Maryland	2
Connecticut	34	Montana	2
Rhode Island	25	Tennessee	2
Iowa	23	Virginia	2
Missouri	23	Arkansas	1
Minnesota	18	Florida	1
California	12	Idaho	1
Michigan	11	Mississippi	1
Vermont	11	North Dakota	1
Kentucky	10	Oregon	1
Wisconsin	9	Wyoming	1
Nebraska	8	Canada	3
Utah	8	Hawaiian Islands	4
Colorado	7	Mexico	1

OFFICERS OF THE ALUMNÆ ASSOCIATION

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MRS. FRANK T. EASTON, *Vice President*, Union Trust Bldg., Providence, R. I.
MISS HELEN M. CAPRON, *Recording Secretary*, Stillwater, R. I.
MISS LILIAN B. MINER, *Cor. Sec.*, 547 Elmwood Ave., Providence, R. I.
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